### **FINAL**

#### INSTALLATION RESTORATION PROGRAM

SITE INSPECTION REPORT VOLUME III OF III

102nd AIR CONTROL SQUADRON NORTH SMITHFIELD AIR NATIONAL GUARD STATION SLATERSVILLE, RHODE ISLAND

SEPTEMBER 1995

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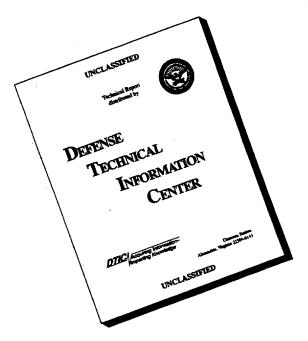


Prepared For AIR NATIONAL GUARD READINESS CENTER ANDREWS AFB, MARYLAND 20331-6008

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### **FINAL**

### INSTALLATION RESTORATION PROGRAM

### SITE INSPECTION REPORT

102nd AIR CONTROL SQUADRON NORTH SMITHFIELD AIR NATIONAL GUARD STATION SLATERSVILLE, RHODE ISLAND

#### **SEPTEMBER 1995**

**Prepared For** 

AIR NATIONAL GUARD READINESS CENTER ANDREWS AFB, MARYLAND 20331-6008

Prepared By

ANEPTEK CORPORATION

<sup>°</sup> 209 West Central Street Natick, Massachusetts 01760

Form Approved

REPORT DOCUMENTATION PAGE OMB No. 0704-0188 Public reporting burden for this foliection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching as string data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden. To Washington Headquarters Services, Directorate for information Operations and Reports, 1215 Defferson Davis Highway, Suite 1204, Arlington, 7A, 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. 3. REPORT TYPE AND DATES COVERED 2. REPORT DATE 1. AGENCY USE ONLY (Leave blank) September 1995 Site Inspection Berunding NUMBERS 4. TITLE AND SUBTITLE Site Inspection Report, 102nd Air Control Squadron, North Smithfield Air National Guard Station, Slatersville, Rhode Island - Volume III of III 6. AUTHOR(S) NA 8. PERFORMING ORGANIZATION 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) REPORT NUMBER Aneptek Corporation 209 West Central Street Natick, Massachusetts 01760 10. SPONSORING / MONITORING 9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) AGENCY REPORT NUMBER ANGRC/CEVR 3500 Fetchet Avenue Andrews AFB MD 20762-5157 11. SUPPLEMENTARY NOTES 12b. DISTRIBUTION CODE 12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for public release; distribution is unlimited 13. ABSTRACT (Maximum 200 words) Site Inspection Report, 102nd Air Control Squadron, North Smithfield Air National Guard Station, Slatersville, Rhode Island, Volume III of III. This is the third volume of a three volume site inspection report. Three areas of concern (AOCs) were investigated under the Installation Restoration Program. A passive soil gas survey was conducted of the entire station. Soil and groundwater samples were collected and analyzed. Low level contamination of fuel-related compounds were detected below state action levels. No further action was recommended. 15. NUMBER OF PAGES 14. SUBJECT TERMS 16. PRICE CARA Installation Restoration Program; Comprehensive Environmental Response, Compensation and Liability Act (CERCLA); Air National Guard; Site Inspection, Rhode 19. SECURITY CLASSIFICATION 20. LIMITATION OF ABSTRACT Istansi Amin aluopsiki Careon; Shete bevilket Kolonksiksian don OF ABSTRACT OF THIS PAGE OF REPORT Unclassified Unclassified None Standard Form 298 (Rev Unclassified

NSN 7540-01-280-5500

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G - Grant

TA - Task

PE - Program Element WU - Work Unit Accession No.

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## APPENDIX E

ANALYTICAL REPORTS

### ANALYTICAL REPORT

Report To:

Mr. John Lee

Aneptek 209 West Central Street

Natick, MA 01760

Project:

No. Smithfield RI ANG Station

12/19/1994

NET Job Number: 94.03925

National Environmental Testing

NET Atlantic, Inc. Cambridge Division 12 Oak Park Bedford, MA 01730

Massachusetts Certification Number M MA023

### **NET** Cambridge Division

#### ANALYTICAL REPORT

Report To:

Mr. John Lee Aneptek 209 West Central Street Natick, MA 01760 Reported By:

National Environmental Testing NET Atlantic, Incorporated Cambridge Division 12 Oak Park Bedford, MA 01730

Report Date: 12/19/1994

NET Job Number: 94.03925

Project: No. Smithfield RI ANG Station

NET Client No: 4025

P.O. No: DAHA90-93-D-0003

Collected By: client

Shipped Via: Fedex

Job Description: Project # 94110.32

Airbill No: 1272921952

Islenia\_

This report has been approved and certified for release by the following staff. Please feel free to call the NET Project Manager at 617-275-3535 with any questions or comments.

Alison P. Darrow NET Project Manager Report prepared by NET Reports Group

Analytical data for the following samples are included in this data report.

SAMPLE ID	NET ID	DATE TAKEN	TIME TAKEN	DATE REC'D	MATRIX
SB-01-04	113613	11/29/1994	11:10	12/01/1994	SOIL
SB-01-08	113614	11/29/1994	11:30	12/01/1994	SOIL
SB-02-02	113615	11/29/1994	15:00	12/01/1994	SOIL
SB-02-07	113616	11/29/1994	15:45	12/01/1994	SOIL
SB-03-8.5	113617	11/29/1994	11:30	12/01/1994	SOIL
SB-03-12	113618	11/29/1994	12:00	12/01/1994	SOIL

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-01-04

NET Sample No: 113613 .

Parameter		Method	Result	Units	Analysis Date	•	Run Batch	Analyst
Metals,Priority Po	ollutants S	EPA SW846	12/05/1994		12/05/1994		40	есы
Solid Dig. SW846,		SW846,3050	12/05/1994	date	12/05/1994	3116cs		gsw
Solid Dig. SW846 (		SW846,3050	12/05/1994	date	12/05/1994	3116cs		gsw
Antimony (Sb)	846 ICP S	SW846 ICP. 6010	<5.6	mg/Kg	12/06/1994	3116cs	140	jem
Arsenic (As)		SW846 furnace, 7000	0.98	mg/Kg	12/12/1994	3116cs	57	mut
Beryllium (Be)	846 ICP S	SW846 ICP, 6010	<0.22	mg/Kg	12/06/1994	3116cs	137	jem
Cadmium (Cd)	846 ICP S	SW846 ICP, 6010	1.5	mg/Kg	12/06/1994	3116cs	167	jem
Chromium (Cr)	846 ICP S	SW846 ICP. 6010	5.4	mg/Kg	12/06/1994	3116cs	170	jem .
Copper (Cu)	846 ICP S	SW846 ICP, 6010	27	mg/Kg	12/06/1994	3116cs	169	јем
Lead (Pb)	846 ICP S	SW846 ICP, 6010	8.7	mg/Kg	12/08/1994	3116cs	184	gmp
Mercury (Hg)	846 CVAA S	SW846 cold vapor, 7471	<0.11	mg/Kg	12/08/1994	3116cs	155	drm
Mercury (mg) Nickel (Ni)	846 ICP S	SW846 ICP, 6010	4.5	mg/Kg	12/06/1994	3116cs	148	jem
Selenium (Se)	846 GFAA S	SW846 furnace, 7000	<0.45	лg/Kg	12/12/1994	3116cs	55	Tum
Silver (Ag)	846 ICP S	SW846 ICP, 6010	<0.67	mg/Kg	12/08/1994	3116cs	145	gmp
Thallium (Tl)	846 GFAA S	SW846 furnace, 7000	<0.45	mg/Kg	12/09/1994	3116cs	47	mut
Zinc (2n)	846 ICP S	SW846 ICP, 6010	30	mg/Kg	12/06/1994	3116cs	158	jem
EX Acid/Base/Neut		SW-846, 3500	12/05/1994	date	12/05/1994	exabn_	•	hpm

#### Cambridge Division NET

#### ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Gasoline Range Organics

Date Rec'd: 12/01/1994

Sample ID: SB-01-04

NET Sample No: 113613

Parameter

Analysis Prep Run Batch Batch Analyst Date Result Units TPH (Purgable) 8015 - GRO S ug/Kg 12/08/1994 gah 45000

Note on Gasoline Range Organics analysis (EPA 8015): This sample contains heavyweight petroleum products outside the gasoline range.

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Date Rec'd: 12/01/1994

Project: No. Smithfield RI ANG Station

Sample ID: SB-01-04

NET Sample No: 113613

e Mo: 113513		•.	Analysis	Prep Batch	Run Batch	Analyst
Parameter	Result	Units	Date			
TCL Volatiles by GC/MS 8240 S						
Acetone	<3700	ug/Kg	12/06/1994		625	bel
Benzene	<740	ug/Kg				
Bromodichloromethane	<740	ug/Kg				
Bromoform	<740	ug/Kg				
Bromomethane	<740	ug/Kg				
2-Butanone (MEK)	<3700	ug/Kg				
Carbon Disulfide	<740	ug/Kg				
Carbon Tetrachloride	<740	ug/Kg				
Chlorobenzene	<740	ug/Kg				
Chloroethane	<740	ug/Kg				
2-Chloroethylvinyl ether	<740	ug/Kg				
Chloroform	<740	ug/Kg				
Chloromethane	<740	ug/Kg				
Dibromochloromethane	<740	ug/Kg				
1.2-Dichlorobenzene	<740	ug/Kg		•		
1.3-Dichlorobenzene	<740	ug/Kg				
1,4-Dichlorobenzene	<740	ug/Kg				
1.1-Dichloroethane	<740	ug/Kg				
1.2-Dichloroethane	<740	ug/Kg				
1.1-Dichloroethene	<740	ug/Kg				
1,2-Dichloroethene (total)	<740	ug/Kg				
1,2-Dichloropropane	<740	ug/Kg				
cis-1,3-Dichloropropene	<740	ug/Kg				
trans-1,3-Dichloropropene	<740	ug/Kg				
Ethylbenzene	<740	ug/Kg				
2-Hexanone	<3700	ug/Kg				
4-Methyl-2-pentanone (MIBK	<3700	ug/Kg				
Methylene Chloride	<740	ug/Kg				
Styrene	<740	ug/Kg				
1,1,2,2-Tetrachloroethane	<740	ug/Kg				
Tetrachloroethene	<740	ug/Kg				
Toluene	<740	ug/Kg				
1,1,1-Trichloroethane	<740	ug/Kg				
1,1,2-Trichloroethane	<740	ug/Kg				
Trichloroethene	<740	ug/Kg				
Trichlorofluoromethane	<740	ug/Kg				
Vinyl Acetate	<740	ug/Kg				
Vinyl Chloride	<740	ug/Kg				
m-Xylene	760	* ug/Kg				
o-Xylene	<740	ug/Kg				
		* ug/Kg				

<sup>\*</sup> These two compounds coelute on some gas chromatography columns. The reported concentration may be one, the other, or a combination of both isomers.

Sample was diluted due to high concentration of non-target analytes.

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-01-04

e No: 113513			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	1900	ug/Kg	12/12/1994	168	406	jcg
Acenaphthylene	<800	ug/Kg				
Anthracene	<800	ug/Kg				
Benzidine	<800	ug/Kg				
Benzo(a)Anthracene	<800	ug/Kg				
Benzo(a)Pyrene	<800	ug/Kg				
Benzo(b)Fluoranthene	<800	ug/Kg				
Benzo(g,h,i)Perylene	<800	ug/Kg				
Benzo(k)Fluoranthene	<800	ug/Kg				
Benzoic Acid	<800	ug/Kg				
Benzyl Alcohol	<800	ug/Kg				
4-Bromophenyl-phenylether	<800	ug/Kg				
Butylbenzylphthalate	<800	ug/Kg				
4-Chloro-3-Methylphenol	<800	ug/Kg				
4-Chloroaniline	<800	ug/Kg				
bis(2-Chloroethoxy)Methane	<800	ug/Kg				
bis(2-Chloroethyl)Ether	<800	ug/Kg		*		
bis(2-Chloroisopropyl)Ether	<800	ug/Kg				
2-Chloronaphthalene	<800	ug/Kg				
2-Chlorophenol	<800	ug/Kg				
4-Chlorophenyl-phenylether	<800	ug/Kg '	•			
Chrysene	<800	ug/Kg				
Di-n-Butylphthalate	<800	ug/Kg				
Di-n-Octyl Phthalate	<800	ug/Kg				
Dibenz(a,h)Anthracene	<800	ug/Kg				
Dibenzofuran	1100	ug/Kg				
1,2-Dichlorobenzene	<800	ug/Kg				
1,3-Dichlorobenzene	<800	ug/Kg				
1.4-Dichlorobenzene	<800	ug/Kg				
3.3'-Dichlorobenzidine	<800	ug/Kg				
2,4-Dichtorophenot	<800	ug/Kg				
Diethylphthalate	<800	ug/Kg				
Dimethyl Phthalate	<800	ug/Kg				
2,4-Dimethylphenol	<800	ug/Kg				
4,6-Dinitro-2-Methylphenol	<800	ug/Kg				
2.4-Dinitrophenol	<800	ug/Kg				
2,4-Dinitrotoluene	<800	ug/Kg				
2,6-Dinitrotoluene	<800	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<300	ug/Kg				
Fluoranthene	008>	ug/Kg				
Fluorene	3900	ug/Kg				
Hexachlorobenzene	<200	ug/Kg				
Hexachtorobutadiene	· <800	ug/Kg				
Hexachlorocyclopentadiena	<300	ug/Kg				
Hexachlorogthans	<800	ug/Kg				
Indeno(1,2,3-cd)Pyrene	<800	ug/Kg				
Isophorone	<008>	ug/Kg				
radpitor one	500	~9/ ~ 3				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: \$8-01-04

5 MOI 1:30:3			Analysis	Prep	Run	A1
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	26000	ug/Kg				
2-Methylphenol	<800	ug/Kg	12/12/1994	168	406	jcg
4-Methylphenol	<800	ug/Kg				
N-Nitroso-di-n-Propylamine	<800	ug/Kg				
N-Nitrosodimethylamine	<800	ug/Kg				
N-Nitrosodiphenylamine	<800	ug/Kg				
Naphthalene	5400	ug/Kg				
2-Nitroaniline	<800	ug/Kg				
3-Nitroaniline	<800	ug/Kg				
4-Nitroaniline	<800	ug/Kg				
Nitrobenzene	<800	ug/Kg				
2-Nitrophenol	<800	ug/Kg				
4-Nitrophenol	<800	ug/Kg				
Pentachlorophenol	<800	ug/Kg				
Phenanthrene	6600	ug/Kg				
Phenol	<80 <b>0</b>	ug/Kg				
Pyrene	920	ug/Kg				
1.2.4-Trichlorobenzene	<800	ug/Kg				
2,4,5-Trichlorophenol	<800	ug/Kg				
2,4,6-Trichlorophenol	<800	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-01-08

NET Sample No: 113614 -

Parameter		Method	Result	Units	•	Prep Batch	Run Batch	Analyst
Metals, Priority P	ollutants S	EPA SW846	12/05/1994	,	12/05/1994		40	есы
Solid Dig. SW846,		sw846,3050	12/05/1994	date	12/05/1994	3116cs		gsw
Solid Dig. SW846		sw846,3050	12/05/1994	date	12/05/1994	3116cs		gsw
Antimony (Sb)	846 ICP S		<5.6	mg/Kg	12/06/1994	3116cs	140	jem
Arsenic (As)	846 GFAA S		<0.45	mg/Kg	12/12/1994	3116cs	57	met
Beryllium (Be)	846 ICP S		0.28	mg/Kg	12/06/1994	3116cs	137	jem
Cadmium (Cd)	846 ICP S		<0.68	mg/Kg	12/06/1994	3116cs	167	jem
Chromium (Cr)	846 ICP S	SW846 ICP, 6010	4.7	mg/Kg	12/06/1994	3116cs	170	jem
Copper (Cu)	846 ICP S		7.7	mg/Kg	12/06/1994	3116cs	169	jem
Lead (Pb)	846 ICP S		11	mg/Kg	12/08/1994	3116cs	184	gmp
Mercury (Hg)	846 CVAA S	SW846 cold vapor, 7471	<0.11	mg/Kg	12/08/1994	3116cs	155	drm
Nickel (Ni)	846 ICP S	SW846 ICP, 6010	3.8	mg/Kg	12/06/1994	3116cs	148	jem
Selenium (Se)	846 GFAA S		<0.45	mg/Kg	12/12/1994	3116cs	55	mwt
Silver (Ag)	846 ICP S		<0.68	mg/Kg	12/08/1994	3116cs	145	gmp
Thallium (Tl)	846 GFAA S		<0.45	mg/Kg	12/09/1994	3116cs	47	met
Zinc (Zn)	846 ICP S		16	mg/Kg	12/06/1994	3116cs	158	jem
EX Acid/Base/Neut			12/05/1994	date	12/05/1994	exabn_		hpm

#### NET Cambridge Division

#### ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-01-08

NET Sample No: 113614

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S

Easoline Range Organics 23000 ug/Kg 12/08/1994 3 gah

Note on Gasoline Range Organics analysis (EPA 8015): This sample contains heavyweight petroleum products outside the gasoline range.

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-01-08

NET Sample No: 113614

2 NO: 110014		•	Analysis		Run	Amalyan
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<3600	ug/Kg	12/06/1994		625	bel
Benzene	<710	ug/Kg				
Bromodichloromethane	<710	ug/Kg				
Bromoform	<710	ug/K <b>g</b>				
Bromomethane	<710	ug/Kg				
2-Butanone (MEK)	<3600	ug/Kg				
Carbon Disulfide	<710	ug/Kg				
Carbon Tetrachloride	<710	ug/Kg				
Chlorobenzene	<710	ug/Kg				
Chloroethane	<710	ug/Kg				
2-Chloroethylvinyl ether	<710	ug/Kg				
Chloroform	<710	ug/Kg				
Chloromethane	<710	ug/Kg				
Dibromochloromethane	<710	ug/Kg				
1,2-Dichlorobenzene	<710	ug/Kg				
1,3-Dichlorobenzene	<710	ug/Kg				
1,4-Dichlorobenzene	<710	ug/Kg				
1.1-Dichloroethane	<710	ug/Kg				
1,2-Dichloroethane	<710	ug/Kg				
1,1-Dichloroethene	<710	ug/Kg				
1,2-Dichloroethene (total)	<710	ug/Kg				
1,2-Dichloropropane	<710	ug/Kg				
cis-1,3-Dichloropropene	<710	ug/Kg				
trans-1,3-Dichloropropene	<710	ug/Kg				
Ethylbenzene	<710	ug/Kg	•			
2-Hexanone	<3600	ug/Kg				
4-Methyl-2-pentanone (MIBK	<3600	ug/Kg				
Methylene Chloride	<710	ug/Kg				
Styrene	<710	ug/Kg				
1,1,2,2-Tetrachloroethane	<710	ug/Kg				
Tetrachloroethene	<710	ug/Kg				
Toluene	<710	ug/Kg				
1,1,1-Trichloroethane	<710	ug/Kg				
1,1,2-Trichloroethane	<710	ug/Kg				
Trichloroethene	<710	ug/Kg				
Trichlorofluoromethane	<710	ug/Kg				
Vinyl Acetate	<710	ug/Kg				
Vinyl Chloride	<710	ug/Kg				
m-Xytene	730	* ug/Kg				
o-Xyl ene	<710	ug/Kg			-	
p-Xylene	<710	* ug/Kg				

<sup>•</sup> These two compounds coefute on some gas chromatography columns. The reported concentration may be one, the other, or a combination of both isomers.

Sample was dituted due to high concentration of non-target analytes.

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-01-08

e No: 113614			Analysis	Ргер	Run	
Parameter	Result	Units	Date	Batch	Batch	Analys
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	1700	ug/Kg	12/12/1994	168	406	jcg
Acenaphthylene	<800	ug/Kg				
Anthracene	<800	ug/Kg				
Benzidine	<800	ug/Kg				
Benzo(a)Anthracene	<800	ug/Kg				
Benzo(a)Pyrene	<800	ug/Kg		-		
Benzo(b)Fluoranthene	<800	ug/Kg				
Benzo(g,h,i)Perylene	<800	ug/Kg				
Benzo(k)Fluoranthene	<800	ug/Kg				
Benzoic Acid	<800	ug/Kg				
Benzyl Alcohol	<800	ug/Kg				
4-Bromophenyl-phenylether	<800	ug/Kg				
Butylbenzylphthalate	<800	ug/Kg				
4-Chloro-3-Methylphenol	<800	ug/Kg				
4-Chloroaniline	<800	ug/Kg				
bis(2-Chloroethoxy)Methane	<800.	ug/Kg				
bis(2-Chloroethyl)Ether	<800	ug/Kg				
bis(2-Chloroisopropyl)Ether	<800	ug/Kg				
2-Chloronaphthalene	<800	ug/Kg				
•	<800	ug/Kg				
2-Chlorophenol	<800	ug/Kg				
4-Chlorophenyl-phenylether	<800	ug/Kg				
Chrysene	<800	ug/Kg				
Di-n-Butylphthalate	<800	ug/Kg				
Di-n-Octyl Phthalate	<800	ug/Kg				
Dibenz(a,h)Anthracene	1100	ug/Kg				
Dibenzofuran	<800	ug/Kg				
1,2-Dichlorobenzene	<800	ug/Kg				
1,3-Dichlorobenzene						
1,4-Dichlorobenzene	<800	ug/Kg				
3,3'-Dichlorobenzidine	<800	ug/Kg				
2,4-Dichlorophenol	<800	ug/Kg				
Diethylphthalate	<800	ug/Kg				
Dimethyl Phthalate	<800	ug/Kg				
2,4-Dimethylphenol	<800	ug/Kg				
4,6-Dinitro-2-Methylphenol	<800	ug/Kg				
2,4-Dinitrophenol	<800	ug/Kg				
2,4-Dinitrotoluene	<800	ug/Kg 				
2,6-Dinitrotoluene	<800	ug/Kg				
bis(2-Ethylhexyl)Phthalate	910	ug/Kg				
Fluoranthene	<800	ug/Kg				•
Fluorene	3600	ug/Kg				
Hexachlorobenzene	<003>	ug/Kg 				
TO CHOOL TO COLUMN TO COLU	<b>.</b> <300	- ug/Kg				
Hexachlorocyclopentadiene	<800	ug/Kg				
Hexachtoroethane	<008>	ug/Kg				
Indeno(1,2,3-cd)Pyrene	<800	ug/Kg				
Isophorone	<003>	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Date Rec'd: 12/01/1994

Project: No. Smithfield RI ANG Station

Sample ID: SB-01-08

2 113914			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	25000	ug/Kg				
2-Methylphenol	<800	ug/Kg	12/12/1994	168	406	jcg
4-Methylphenol	<800	ug/Kg				
N-Nitroso-di-n-Propylamine	<800	ug/Kg				
N-Nitrosodimethylamine	<800	ug/Kg				
N-Nitrosodiphenylamine	<800	ug/Kg				
Naphthalene	6000	ug/Kg				
2-Nitroaniline	<800	ug/Kg				
3-Nitroaniline	<800	ug/Kg				
4-Nitroaniline	<800	ug/Kg				
Nitrobenzene	<800	ug/Kg				
2-Nitrophenot	<800	ug/Kg				
4-Nitrophenol	<800	ug/Kg				
Pentachlorophenol	<800	ug/Kg				
Phenanthrene	59 <b>00</b>	ug/Kg				
Phenol	<800	ug/Kg				
Pyrene	<800	ug/Kg				
1,2,4-Trichlorobenzene	<800	ug/Kg				
2,4,5-Trichlorophenol	<800	· ug/Kg				
2,4,6-Trichlorophenol	<800	ug/Kg		•		

Report Date: 12/19/1994

Project: No. Smithfield RI ANG Station

Report To: Aneptek

NET Job No: 94.03925

Date Rec'd: 12/01/1994

Sample ID: SB-02-02

NET Sample No: 113615 -

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
	Pollutants S	EPA SW846	12/05/1994		12/05/1994		40	ecw
Metals,Priority P Solid Dig. SW846,		SW846.3050	12/05/1994	date	12/05/1994	3116cs		gsw
Solid Dig. SW846, Solid Dig. SW846		SW846,3050	12/05/1994	date	12/05/1994	3116cs		gsw
	846 ICP S	SW846 ICP, 6010	<6.0	mg/Kg	12/06/1994	3116cs	140	jem
Antimony (Sb)	846 GFAA S	SW846 furnace, 7000	1.9	mg/Kg	12/12/1994	3116cs	57	mut
Arsenic (As)	846 ICP S	SW846 ICP, 6010	<0.24	mg/Kg	12/06/1994	3116cs	137	jem
Beryllium (Be) Cadmium (Cd)	846 ICP S	SW846 ICP, 6010	1.5	mg/Kg	12/06/1994	3116cs	167	jem
Chromium (Cr)	846 ICP S	SW846 ICP, 6010	7.5	mg/Kg	12/06/1994	3116cs	170	jem
	846 ICP S	SW846 ICP, 6010	2.3	mg/Kg	12/06/1994	3116cs	169	jem
Copper (Cu)	846 ICP S	SW846 ICP. 6010	19	mg/Kg	12/08/1994	3116cs	184	gmp
Lead (Pb)	846 CVAA S	SW846 cold vapor, 7471	<0.12	mg/Kg	12/08/1994	3116cs	155	drm
Mercury (Hg) Nickel (Ni)	846 ICP S	SW846 ICP, 6010	3.8	mg/Kg	12/06/1994	3116cs	148	jem
Selenium (Se)	846 GFAA S	SW846 furnace, 7000	0.58	mg/Kg	12/12/1994	3116cs	55	mut
Silver (Ag)	846 ICP S	SW846 ICP, 6010	<0.72	mg/Kg	12/08/1994	3116cs	145	gmp
Thallium (Tl)	846 GFAA S	SW846 furnace, 7000	<0.48	mg/Kg	12/09/1994	3116cs	47	mst
Zinc (Zn)	846 ICP S	SW846 ICP, 6010	22	mg/Kg	12/06/1994	3116cs	158	jem
EX Acid/Base/Neu	••	sw-846, 3500	12/05/1994	date	12/05/1994	exabn_	•	hpm

#### NET Cambridge Division

#### ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample 15: S8-02-02

NET Sample No: 113615

Parameter		Result	Units	Analysis Date	•	Run Batch	Analyst
TPH (Purgable) 8015 - GRO Gasoline Range Organics	S	<3200	ug/Kg	12/08/1994		3	gah

Note on Gasoline Range Organics analysis (EPA 8015): This sample contains heavyweight petroleum products outside the gasoline range.

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample 1D: SB-02-02

5 HO: 113013			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<30.	ug/Kg	12/07/1994		624	cbe
Benzene	<6.0	ug/Kg				
Bromodichloromethane	<6.0	ug/Kg				
Bromoform	<6.0	ug/Kg				
Bromomethane	<6.0	ug/Kg				
2-Butanone (MEK)	<30.	ug/Kg				
Carbon Disulfide	<6.0	ug/Kg				
Carbon Tetrachloride	<6.0	ug/Kg				
Chlorobenzene	<6.0	ug/Kg				
Chloroethane	<6.0	ug/Kg				
2-Chloroethylvinyl ether	<6.0	ug/Kg				
Chloroform	<6.0	ug/Kg				
Chloromethane	<6.0	ug/Kg				
Dibromochloromethane	<6.0	ug/Kg				
1,2-Dichtorobenzene	<6.0	ug/Kg				
1,3-Dichlorobenzene	<6.0	ug/Kg				
1,4-Dichlorobenzene	<6.0	ug/Kg				
1,1-Dichloroethane	<6.0	ug/Kg				
1,2-Dichloroethane	<6.0	ug/Kg				
1,1-Dichloroethene	<6.0	ug/Kg				
1,2-Dichloroethene (total)	<6.0	ug/Kg	•			
1,2-Dichloropropane	<6.0	ug/Kg				
cis-1,3-Dichloropropene	<6.0	ug/Kg				
trans-1,3-Dichloropropene	<6.0	ug/Kg				
Ethylbenzene	<6.0	ug/Kg				
2-Hexanone	<30.	ug/Kg				
4-Methyl-2-pentanone (MIBK	<30.	ug/Kg				
Methylene Chloride	<6.0	ug/Kg				
Styrene	<6.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<6.0	ug/Kg				
Tetrachloroethene	<6.0	ug/Kg				
Toluene	12	ug/Kg				
1,1,1-Trichloroethane	<6.0	ug/Kg				
1,1,2-Trichloroethane	<6.0	ug/Kg				
Trīchloroethene	<6.0	ug/Kg				
Trichlorofluoromethane	<6.0	ug/Kg				
Vinyl Acetate	<6.0	ug/Kg				
Vinyl Chloride	<6.0	ug/Kg				
m-Xýlene	<6.0	ug/Kg				
o-Xytene	<6.0	ug/Kg				
p-Xylene	<6.0	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Date Rec'd: 12/01/1994

Project: No. Smithfield RI ANG Station

Sample ID: SB-02-02

e No: 113615	D l e	llaita	Analysis Date	Prep Batch	Run Batch	Analyst
Parameter	Result	Units	<i></i>			
TCL Acid/Base/Neutrals 8270 S	_					
Acenaphthene	<40	ug/Kg	12/08/1994	168	405	jcg
Acenaphthylene	<40	ug/Kg				
Anthracene	<40	ug/Kg				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40	ug/Kg				
Benzo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Benzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluoranthene	<40	ug/Kg				
Benzoic Acid	<40	ug/Kg				
Benzyl Alcohol	<40	ug/Kg				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Methylphenol	<40	ug/Kg				
4-Chloroaniline	<40	ug/Kg				
bis(2-Chloroethoxy)Methane	<40	ug/Kg				
bis(2-Chloroethyl)Ether	<40	ug/Kg				
bis(2-Chloroisopropyl)Ether	<40	ug/Kg				
2-Chloronaphthalene	<40	ug/Kg				
2-Chlorophenol	<40	ug/Kg				
4-Chlorophenyl-phenylether	<40	ug/Kg				
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	<40	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg				
Dibenz(a,h)Anthracene	<40	ug/Kg				
Dibenzofuran	<40	ug/Kg				
1,2-Dichlorobenzene	<40	ug/Kg				
1,3-Dichlorobenzene	<40	ug/Kg				
1,4-Dichlorobenzene	<40	ug/Kg				
3,3'-Dichlorobenzidine	<40	ug/Kg				
2,4-Dichlorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2,4-Dimethylphenol	<40	ug/Kg				
4,6-Dinitro-2-Methylphenol	<40	ug/Kg				
2,4-Dinitrophenol	<40	ug/Kg				
2,4-Dinitrotoluene	<40	ug/Kg				
2,6-Dinitrotoluene	<40	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<40	ug/Kg				
Fluoranthene	<40	ug/Kg				
Fluorene	<40	ug/Kg				
Hexach!orobenzene	<40	ug/Kg				
Hexachlorobutadiehe	. <40	ug/Kg				
Hexachlorocyclopentadiene	<40	ug/Kg				
Hexachloroethane	<40	ug/Kg				
Indeno(1,2,3-cd)Pyrene	٠ 40	ug/Kg				
Isophorone	<40	ug/Kg				
•						

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-02-02

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<40	ug/Kg				
2-Methylphenol	<40	ug/Kg	12/08/1994	168	405	jcg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg				
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	<40	ug/Kg				
Naphthalene	<40	ug/Kg				
2-Nitroaniline	<40	ug/Kg				
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40	ug/Kg				
Phenanthrene	<40	ug/Kg				
Phenol	<40	ug/Kg				
Pyrene	<40	ug/Kg				
1,2,4-Trichlorobenzene	<40	ug/Kg				
2,4,5-Trichlorophenol	<40	ug/Kg				
2,4,6-Trichlorophenol	<40	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Date Rec'd:

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-02-07

NET Sample No: 113616 .

Parameter			Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals, Priority P	ollutants S	· :	EPA SW846	12/05/1994		12/05/1994		40	ecw
Solid Dig. SW846,			SW846,3050	12/05/1994	date	12/05/1994	3116cs		gsw
Solid Dig. SW846			SW846,3050	12/05/1994	date	12/05/1994	3116cs		gsw
Antimony (Sb)	846 ICP S		SW846 ICP, 6010	<5.6	mg/Kg	12/06/1994	3116cs	140	jem
Arsenic (As)	846 GFAA S		SW846 furnace, 7000	0.56	mg/Kg	12/12/1994	3116cs	57	mwt
Beryllium (Be)	846 ICP S		SW846 ICP, 6010	0.28	mg/Kg	12/06/1994	3116cs	137	jem
Cadmium (Cd)	846 ICP S		SW846 ICP, 6010	1.6	mg/Kg	12/06/1994	3116cs	167	jem
Chromium (Cr)	846 ICP S		SW846 ICP, 6010	4.1	mg/Kg	12/06/1994	3116cs	170	jem
Copper (Cu)	846 ICP S		SW846 ICP, 6010	17	mg/Kg	12/06/1994	3116cs	169	jem
Lead (Pb)	846 ICP 9		SW846 ICP, 6010	13	mg/Kg	12/08/1994	3116cs	184	gurb
Mercury (Hg)	846 CVAA S	3	SW846 cold vapor, 7471	<0.11	mg/Kg	12/08/1994	3116cs	155	drm
Nickel (Ni)	846 ICP 9	3	SW846 ICP, 6010	3.5	mg/Kg	12/06/1994	3116cs	148	jem
Selenium (Se)	846 GFAA S		SW846 furnace, 7000	<0.45	mg/Kg	12/12/1994	3116cs	55	mwt
Silver (Ag)	846 ICP S		SW846 ICP, 6010	<0.67	mg/Kg	12/08/1994	3116cs	145	gmp
Thallium (Tl)	846 GFAA S		SW846 furnace, 7000	<0.45	mg/Kg	12/09/1994	3116cs	47	Jem
Zinc (Zn)	846 ICP S		SW846 ICP. 6010	25	mg/Kg	12/06/1994	3116cs	158	jem
EX Acid/Base/Neut			sw-846, 3500	12/05/1994	date	12/05/1994	exabn_	•	hpm

#### Cambridge Division NET

#### ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-02-07

NET Sample No: 113616

Analysis Prep Run

Batch Batch Analyst Units Date Parameter

TPH (Purgable) 8015 - GRO S

<2800 ug/Kg Gasoline Range Organics

12/08/1994

gah

Note on Gasoline Range Organics analysis (EPA 8015): This sample contains heavyweight petroleum products outside the gasoline range.

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-02-07

No: 113616			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst 
TCL Volatiles by GC/MS 8240 S					404	٠.
Acetone	<30.	ug/Kg	12/05/1994		626	jpt
Benzene	<6.0	ug/Kg				
Bromodichloromethane	<6.0	ug/Kg				
Bromoform	<6.0	ug/Kg				
Bromomethane	<6.0	ug/Kg				
2-Butanone (MEK)	<30.	ug/Kg				
Carbon Disulfide	<6.0	ug/Kg				
Carbon Tetrachloride	<6.0	ug/Kg				
Chlorobenzene	<6.0	ug/Kg				
Chloroethane	<6.0	ug/Kg				
2-Chloroethylvinyl ether	<6.0	ug/Kg				
Chloroform	<6.0	ug/Kg				
Chloromethane	<6.0	ug/Kg				
Dibromochloromethane	<6.0	ug/Kg				
1.2-Dichlorobenzene	<6.0	ug/Kg			•	
1.3-Dichlorobenzene	<6.0	ug/Kg				
1,4-Dichlorobenzene	<6.0	ug/Kg				
1.1-Dichloroethane	<6.0	ug/Kg				
1,2-Dichloroethane	<6.0	ug/Kg				
1,1-Dichloroethene	<6.0	ug/Kg				
1,2-Dichloroethene (total)	<6.0	ug/Kg				
1.2-Dichloropropane	<6.0	ug/Kg		÷		
cis-1,3-Dichloropropene	<6.0	ug/Kg				
trans-1,3-Dichloropropene	<6.0	ug/Kg				
Ethylbenzene	<6.0	ug/Kg				
2-Hexanone	<30.	ug/Kg				
4-Methyl-2-pentanone (MIBK	<30.	ug/Kg				
Methylene Chloride	<6.0	ug/Kg				
Styrene	<6.0	ug/Kg				
1.1.2.2-Tetrachloroethane	<6.0	ug/Kg				
Tetrachloroethene	<6.0	ug/Kg				
Toluene	<6.0	ug/Kg				
1,1.1-Trichloroethane	<6.0	ug/Kg				
1,1,2-Trichloroethane	<6.0	ug/Kg				
Trichloroethene	<6.0	ug/Kg				
Trichlorofluoromethane	<6.0	ug/Kg				
Vinyl Acetate	<6.0	ug/Kg				
Vinyt Chloride	< 5.0	ug/Kg				
m-Xylene	<6.0	ug/Kg				
o-Xylene	<6.0	ug/Kg				
- ·· , · <del>·</del> · · -						

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-02-07

e No: 113615 Parameter	Result	Units	Analysis Date		Run Ba <b>tch</b>	Analyst
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	<40	ug/Kg	12/08/1994	168	405	jcg
Acenaphthylene	<40	ug/Kg				
Anthracene	<40	ug/K <b>g</b>				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40	ug/Kg				
Benzo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Benzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluoranthene	<40	ug/Kg				
Benzoic Acid	<40	ug/Kg				
Benzyl Alcohol	<40	ug/K <b>g</b>				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Methylphenol	<40	ug/Kg				
4-Chloroaniline	<40	ug/Kg				
bis(2-Chloroethoxy)Methane	<40	ug/Kg				
bis(2-Chloroethyl)Ether	<40	ug/Kg				
bis(2-Chloroisopropyl)Ether	<40	ug/Kg				
2-Chloronaphthalene	<40	ug/Kg				
2-Chlorophenol	<40	ug/Kg				
4-Chlorophenyl-phenylether	<40	ug/Kg				
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	<40	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg				
Dibenz(a,h)Anthracene	<40	ug/Kg				
Dibenzofuran	<40	ug/Kg				
1,2-Dichlorobenzene	<40	ug/Kg				
1,3-Dichlorobenzene	<40	ug/Kg				
1,4-Dichlorobenzene	<40	ug/Kg				
3,3'-Dichlorobenzidine	<40	ug/Kg				
2,4-Dichlorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2,4-Dimethylphenol	<40	ug/Kg				
4,6-Dinitro-2-Methylphenol	<40	ug/Kg				
2,4-Dinitrophenol	<40	ug/Kg				
2,4-Dinitrotoluene	<40	ug/Kg				
2,6-Dinitrotoluene	<40	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<40	ug/Kg				
Fluoranthene	<40	ug/Kg				
fluorene	<40	ug/Kg				
Rexachtorobenzene	<40	ug/Kg				
Hexachlorobutadiene	•• <40	ug/Kg				
Hexachlorocyclopentadiene	<40	ug/Kg				
Hexachtoroethane	<40	ug/Kg				
Indeno(1,2,3-cd)Pyrene	<40	ug/Kg				
Isophorone	<40	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-02-07

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
2-Methylnaphthalene	<40	ug/Kg		-		
2-Methylphenol	<40	ug/Kg	12/08/1994	168	405	jcg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg		-		
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	· <40	ug/K <b>g</b>				
Naphthalene	<40	ug/Kg				
2-Nitroaniline	<40	ug/Kg				
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40	ug/Kg				
Phenanthrene	<40	ug/Kg				
Phenol	<40	ug/Kg				
	<40	ug/Kg				
Pyrene	<40	ug/Kg				
1,2,4-Trichlorobenzene	<40	ug/Kg				
2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	<40	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-03-8.5

NET Sample No: 113617 -

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
			42.405.4400/		12/05/1994		40	ecu
Metals, Priority P			12/05/1994	data	12/05/1994			gsw
Solid Dig. SW846,		SW846,3050	12/05/1994	date	12/05/1994			gsw
Solid Dig. SW846	GFAA, 3050 S		12/05/1994	date				
Antimony (Sb)	846 ICP S	SW846 ICP, 6010	<5 <b>.</b> 5	mg/Kg	12/06/1994			jems
Arsenic (As)	846 GFAA S	SW846 furnace, 7000	5.2	mg/Kg	12/12/1994			mut
Beryllium (Be)	846 ICP S	SW846 ICP, 6010	0.23	mg/Kg	12/06/1994			jem
Cadmium (Cd)	846 ICP S	SW846 ICP, 6010	1.5	mg/Kg	12/06/1994	3116cs	167	jem
Chromium (Cr)	846 ICP S		10	mg/Kg	12/06/1994	3116cs	170	jem
Copper (Cu)	846 ICP S		14	mg/Kg	12/06/1994	3116cs	169	jem
• •	846 ICP S	•	8.7	mg/Kg	12/08/1994	3116cs	184	gmp
Lead (Pb)	846 CVAA S	7174	<0.11	mg/Kg	12/08/1994	3116cs	: 155	drm
Mercury (Hg)	846 ICP S		6.9	mg/Kg	12/06/1994	3116cs	148	jem
Nickel (Ni)			<0.44	mg/Kg	12/12/1994	3116cs	55	mut
Selenium (Se)	846 GFAA S		<0.66	mg/Kg	12/08/1994			gmp
Silver (Ag)	846 ICP S		<0.44	mg/Kg	12/09/1994			mert
Thallium (Tl)	846 GFAA S				12/06/1994			jen
Zinc (Zn)	846 ICP S		31	mg/Kg				Ī
EX Acid/Base/Neu	trals 8270 S	sw-846, 3500	12/05/1994	date	12/05/1994	exapn	•	pba

### NET Cambridge Division

#### ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: \$8-03-8.5

NET Sample No: 113617

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics <2700 ug/Kg 12/08/1994 3 gah

Note on Gasoline Range Organics analysis (EPA 8015): This sample contains heavyweight Note on Gasoline petroleum products outside the gasoline range.

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-03-8.5

e No: 113617			Analysis	Ргер	Run	
Parameter	Result	Units	Date	Batch		Analyst
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	13000	ug/Kg	12/08/1994	168	405	jcg
Acenaphthylene	480	ug/Kg				
Anthracene	12000	ug/Kg				
Benzidine	<200	ug/Kg				
Benzo(a)Anthracene	5700	ug/Kg				
Benzo(a)Pyrene	1400	ug/Kg	•			
Benzo(b)Fluoranthene	2000	ug/Kg				
Benzo(g,h,i)Perylene	370	ug/Kg				
Benzo(k)Fluoranthene	2300	ug/Kg				
Benzoic Acid	<200	ug/Kg				
Benzyl Alcohol	<200	ug/Kg				
4-Bromophenyl-phenylether	<200	ug/Kg				
Butylbenzylphthalate	<200	ug/Kg				
4-Chloro-3-Methylphenol	<200	ug/Kg				
4-Chloroaniline	<200	ug/Kg				
bis(2-Chloroethoxy)Methane	<200	ug/Kg				
bis(2-Chloroethyl)Ether	<200	ug/Kg				
	<200	ug/Kg				
bis(2-Chloroisopropyl)Ether	<200	ug/Kg				
2-Chloronaphthalene 2-Chlorophenol	<200	ug/Kg				
4-Chlorophenyl-phenylether	<200	ug/Kg				
	5700	ug/Kg				
Chrysene	<200	ug/Kg				
Di-n-Butylphthalate Di-n-Octyl Phthalate	<200	ug/Kġ				
Dibenz(a,h)Anthracene	260	ug/Kg				
Dibenzofuran	10000	ug/Kg				
1,2-Dichlorobenzene	<200	ug/Kg				
1,3-Dichlorobenzene	<200	ug/Kg				
1,4-Dichlorobenzene	<200	ug/Kg				
3,3'-Dichlorobenzidine	<200	ug/Kg				
•	<200	ug/Kg				
2,4-Dichlorophenol	<200	ug/Kg				
Diethylphthalate	<200	ug/Kg				
Dimethyl Phthalate	260	ug/Kg				
2,4-Dimethylphenol	<200	ug/Kg				
4,6-Dinitro-2-Methylphenol	<200	ug/Kg				
2,4-Dinitrophenol	<200	ug/Kg				
2,4-Dinitrotoluene	<200	ug/Kg				
2,6-Dinitrotoluene	<200	ug/Kg				
bis(2-Ethylhexyl)Phthalate	18000	ug/Kg	•			
Fluoranthene	12000	ug/Kg				
Fluorene	<200	ug/Kg				
Hexachtorobenzene,	<b>*</b> <200					
Hexachlorobutadiene	<200	ug/Kg				
Hexachlorocyclopentadiene	<200	ug/Kg				
Hexachloroethane	<200 449	ug/Kg				
Indenu(1,2,3-cd)Pyrene		ug/Kg				
Esophorone	<200	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-03-8.5

e No: 11361/ Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
2-Methylnaphthalene	8800	ug/Kg				
2-Methylphenol	180	ug/Kg	12/08/1994	168	405	jcg
4-Methylphenol	480	ug/Kg				
N-Nitroso-di-n-Propylamine	<200	ug/Kg			•	
N-Nitrosodimethylamine	<200	ug/Kg				
N-Nitrosodiphenylamine	<200	ug/Kg				
Naphthalene	20000	ug/Kg				
2-Nitroaniline	<200	ug/Kg				
3-Nitroaniline	<200	ug/Kg				
4-Nitroaniline	<200	ug/Kg				
Nitrobenzene	<200	ug/Kg				
2-Nîtrophenol	<200	ug/Kg				
4-Nitrophenol	<200	ug/Kg				
Pentachlorophenol	<200	ug/Kg				
Phenanthrene	22000	ug/Kg				
Phenol	<200	ug/Kg				
Pyrene	13000	ug/Kg				
1,2,4-Trichlorobenzene	<200	ug/Kg				
2,4,5-Trichtorophenol	<200	ug/Kg				
2,4,6-Trichlorophenol	<200	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek.

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-03-12

NET Sample No: 113618 -

Parameter		Method	Result	Units	Analysis Date	•	Run Batch	Analyst
Metals,Priority P	ollutants S	EPA SW846	12/05/1994		12/05/1994		40	ecw
Solid Dig. SW846,		sw846.3050	12/05/1994	date	12/05/1994	3116cs		gsw
Solid Dig. SW846	5050	SW846.3050	12/05/1994	date	12/05/1994	3116cs		gsw
Antimony (Sb)	846 ICP S	SW846 ICP, 6010	<5.3	mg/Kg	12/06/1994	3116cs	140	jena
Archioly (35)	846 GFAA S	SW846 furnace, 7000	<0.42	mg/Kg	12/12/1994	3116cs	57	mut
Beryllium (Be)	846 ICP S	SW846 ICP. 6010	<0.21	mg/Kg	12/06/1994	3116cs	137	jem
Cadmium (Cd)	846 ICP S	SW846 ICP, 6010	0.96	mg/Kg	12/06/1994	3116cs	167	jem
Chromium (Cr)	846 ICP S	SW846 ICP, 6010	3.2	mg/Kg	12/06/1994	3116cs	170	jem
Copper (Cu)	846 ICP S	SW846 ICP, 6010	9.2	mg/Kg	12/06/1994	3116cs	169	jem
Lead (Pb)	846 ICP S	SW846 ICP, 6010	<7.4	mg/Kg	12/08/1994	3116cs	184	gmp
Mercury (Hg)	846 CVAA S	SW846 cold vapor, 7471	<0.11	mg/Kg	12/08/1994	3116cs	155	drm
Nickel (Ni)	846 ICP S	SW846 ICP, 6010	<3.2	mg/Kg	12/06/1994	3116cs	148	jem
Selenium (Se)	846 GFAA S	SW846 furnace, 7000	<0.42	mg/Kg	12/12/1994	3116cs	55	mwt
Silver (Ag)	846 ICP S	SW846 ICP, 6010	<0.64	mg/Kg	12/08/1994	3116cs	145	gmp
Thallium (Tl)	846 GFAA S	SW846 furnace, 7000	<0.42	mg/Kg	12/09/1994	3116cs	47	mut
Zinc (Zn)	846 1CP S	SW846 ICP, 6010	14	mg/Kg	12/06/1994	3116cs	158	jem
EX Acid/Base/Neut		sw-846, 3500	12/05/1994	date	12/05/1994	exabn_	•	hpm

## NET Cambridge Division

ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-03-12

NET Sample No: 113618

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics <2700 ug/Kg 12/08/1994 3 gah

Note on Gasoline Range Organics analysis (EPA 8015): This sample contains heavyweight petroleum products outside the gasoline range.

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-03-12

no: 113618			Analysis		Run	Analyst
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<25	ug/Kg	12/08/1994		624	cbe
Benzene	<5.0	ug/Kg				
Bromodichloromethane	<5.0	ug/Kg				
Bromoform	<5.0	ug/Kg				
Bromomethane	<5.0	ug/Kg				
2-Butanone (MEK)	<25	ug/Kg				
Carbon Disulfide	<5.0	ug/Kg				
Carbon Tetrachloride	<5.0	ug/Kg				
Chlorobenzene	<5.0	ug/Kg				
Chloroethane	<5.0	ug/Kg				
2-Chloroethylvinyl ether	<5.0	ug/Kg				
Chloroform	<5.0	ug/Kg				
Chloromethane	<5.0	ug/Kg				
Dibromochloromethane	<5.0	ug/Kg				
1.2-Dichlorobenzene	<5.0	ug/Kg				
1.3-Dichlorobenzene	<5.0	ug/Kg				
1.4-Dichlorobenzene .	<5.0	ug/Kg				
1.1-Dichloroethane	<5.0	ug/Kg				
1.2-Dichloroethane	<5.0	ug/Kg				
1.1-Dichloroethene	<5.0	ug/Kg				
1.2-Dichloroethene (total)	<5.0	ug/Kg				
1.2-Dichloropropane	<5.0	ug/Kg				
cis-1,3-Dichloropropene	<5.0	ug/Kg				
trans-1,3-Dichloropropene	<5.0	ug/Kg				•
Ethylbenzene	<5.0	ug/Kg				
2-Hexanone	<25	ug/Kg				
4-Methyl-2-pentanone (MIBK	<25	ug/Kg				
Methylene Chloride	<5.0	ug/Kg				
Styrene	<5.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<5.0	ug/Kg				
Tetrachloroethene	<5.0	ug/Kg				
Toluene	<5.0	ug/Kg				
1,1,1-Trichloroethane	<5.0	ug/Kg				
1,1,2-Trichloroethane	<5.0	ug/Kg				
Trichloroethene	<5.0	ug/Kg				
Trichlorofluoromethane	<5.0	ug/Kg				
Vinyl Acetate	<5.0	ug/Kg				
Vinyl Chloride	<5.0	ug/Kg				
m-Xylene	<5.0	ug/Kg				
o-Xylene	<5.0	ug/Kg				
p-Xylene	<5.0	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-03-12

e No: 113618			Analysis	Prep	Run	
Parameter	Result	Units	Date	-	Batch	Analyst
TCL Acid/Base/Neutrals 8270 S						_
Acenaphthene	74	ug/Kg	12/08/1994	168	405	jcg
Acenaphthylene	<40	ug/Kg				
Anthracene	39	ug/Kg				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40	ug/Kg				
Benzo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Benzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluoranthene	<40	ug/Kg				
Benzoic Acid	<40	ug/Kg				
Benzyl Alcohol	<40	ug/Kg				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Methylphenol	<40	ug/Kg				
	<40	ug/Kg				
4-Chloroaniline	<40	ug/Kg				
bis(2-Chloroethoxy)Methane	<40	ug/Kg				
bis(2-Chloroethyl)Ether	<40	ug/Kg				
bis(2-Chloroisopropyl)Ether						
2-Chloronaphthalene	<40	ug/Kg				
2-Chlorophenol	<40	ug/Kg				
4-Chlorophenyl-phenylether	<40	ug/Kg				
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	<40	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg				
Dibenz(a,h)Anthracene	<40	ug/Kg				
Dibenzofuran	64	ug/Kg				
1,2-Dichlorobenzene	<40	ug/Kg				
1,3-Dichlorobenzene	<40	ug/Kg				
1,4-Dichlorobenzene	<40	ug/Kg				
3,3'-Dichlorobenzidine	<40	ug/Kg	-			
2,4-Dichlorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2,4-Dimethylphenol	<40	ug/Kg				
4,6-Dinitro-2-Methylphenol	<40	ug/Kg				
2,4-Dinitrophenol	<40	ug/Kg				
2,4-Dinitrotoluene	<40	ug/Kg				
2,6-Dinitrotoluene	<40	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<40	ug/Kg				
Fluoranthene :	130	ug/Kg				
Fluorene	74	ug/Kg				
Hexachlorobenzene	<40	ug/Kg				
Bexachlorobutadione	<b>.</b> <40	ug/Kg				
Rexachlorocyclopentadiene	<40	ug/Kg				
Hexachtoroethane	<40	ug/Kg				
Indena(1,2,3-cd)Pyrena	<40	ug/Kg				
Isophorone	<40	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/01/1994

Sample ID: SB-03-12

e NO. HEOD	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Parameter						
2-Methylnaphthalene	<40	ug/Kg				
2-Methylphenol	<40	ug/Kg	12/08/1994	168	405	jcg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg				
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	<40	ug/Kg				
Naphthalene	71	ug/Kg				
2-Nitroaniline	<40	ug/Kg				
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40	ug/Kg				
Phenanthrene	260	ug/Kg				
Phenol	<40	ug/Kg				
Pyrene	78	ug/Kg				
1.2.4-Trichlorobenzene	<40	ug/Kg				
2,4,5-Trichlorophenol	<40	ug/Kg				
2,4,6-Trichlorophenol	<40	ug/Kg				

NET-CAMBRIDGE DIVISION

Date of report: 12/13/94

Work ID: 3116CS

SDG/ Batch: 9403860,4016,3925

age:

Duplicate: 3860-113440(Solid)

Sample   Duplicate   %RPD   % solids:   83	Duplicate:	36	000 1101101	DOTIG,	
Ag   < 0.72	% solids:			; 	%RPD
Ag   < 0.72	Tiomont				
A1   720		< 0.72	< 0.72	ma/Ka	
As   < 0.48					201
Ba   3.0   3.5   mg/Kg   15   Be   < 0.24   < 0.24   mg/Kg     +					
Be   < 0.24					15
Ca   320					]
Cd   < 0.72	+		. •		<b>+</b>
Cd   < 0.72	Cal	320	370	mg/Kg	141
Co   < 0.72					
Cr   2.5					
Cu   1.3				mg/Kg	25 lax
Fe   2,600				-	
Hg   < 0.12				-	+
Hg   < 0.12	Fe I	2.600	3,200	mg/Kg	401x
K   130   150   mg/Kg   14  Mg   340   400   mg/Kg   16  Mn   17   22   mg/Kg   26 * +					
Mg   340			150	mg/Kg	141
Mn   17			400	mg/Kg	16 <b>i</b>
Na   32   41   mg/Kg   25   x x     Ni   3.6   3.6   mg/Kg      Pb   5   6.0   6.0   mg/Kg   1     Sb   6.0   6.0   mg/Kg      Se   0.48   0.48   mg/Kg      T1   0.48   0.48   mg/Kg      V   4.6   6.5   mg/Kg   34   x x			22	mg/Kg	261≯
Ni   < 3.6	+				+
Pb   <84	Na I	32	41	mg/Kg	25 × A
Sb   < 6.0 < 6.0 mg/Kg  Se   < 0.48 < 0.48 mg/Kg  + Tl   < 0.48 < 0.48 mg/Kg  V   4.6 6.5 mg/Kg 34 **	Ni I	< 3.6	< 3.6	mg/Kg	
Sb   < 6.0	Pb !	< 8 Y	८ ४- ५	mg/Kg	
+ T1   < 0.48	Sb I		< 6.0	mg/Kg	
T1   < 0.48 < 0.48 mg/Kg  V   4.6 6.5 mg/Kg 34 **	Se I	< 0.48	< 0.48	mg/Kg	
V 1 4.6 6.5 mg/Kg 34 ly 7	. +			•	<del>+</del>
· · · · · · · · · · · · · · · · · · ·	Tl I	< 0.48			
Zn   5.0 5.3 mg/Kg 6	V I				
	Zn I	5.0	5.3	mg/Kg	61

<sup>\*</sup> Possible sample nonhonogeneity indicated

<sup>\*\*</sup> Sample and/or duplicate values & Sx the DL. No control limits apply.

# QC SUMMARY FOR INORGANICS REPORT: PRE-DIGESTION SPIKES

NET-CAMBRIDGE DIVISION

Date of report: 12/13/94

Work ID: 3116CS SDG/ Batch: 9403860

Page: 2

Spike: 3860-113440 (Solid)

Dp 1310 v					
	Sample	Spike	Added	%Recovery	
Element .	/T	~ 0113	٥ : ১ 🕏 ٥	84 1	
Ag	· <00030 mg/L	0.042			
Al I	$3.0  ext{ mg/L}$	13	10	* 501	
As i	< 0.0020 mg/L	0.035	0.040	88	
Ba l	0.013 mg/L		2.0	91 l	
Be I	< 0.0010 mg/L	0.045	0.050	90 I	
+			_	+	
Ca l	1.3 mg/L	<b>2</b> 7	25	103 H	
ca I·	< 0.0030  mg/L	0.046	0.050	92 l	
Co I	< 0.0030  mg/L	0.46	0.500	92 I	
Cr 1	0.011 mg/L	0.19	0.200	90 i	
Cu i	0.0055  mg/L	0.23	0.250	90 l	
+	-			+	
Fe l	10.7 mg/L		10	104 12	
Hg	< 0.00020  mg/L	0.0011	0.0010	tic !	
K I	0.53 mg/L	51	50	101 ×	
Mg	1.4 mg/L	11	10	96 18	
Mn i	0.072 mg/L	0.54	0.500	94	
+	-			+	
Na l	0.14 mg/L	21	20	104 14	
Ni	< 0.015 mg/L	0.47	0.500	94 I	
Pb I	< 0.035 mg/L	0.49	0.500	98 1	
Sb I	< 0.025 mg/L	0.41	0.500	82 I	
Se i	< 0.0020 mg/L	0.0081	0.010	81 I	
+	( 0000209.2			+	
Tl I	< 0.0020 mg/L	0.046	0.050	92	
V	0.019 mg/L	0.49	0.500	94	
Zn I	0.021 mg/L	0.46	0.500	1 88	
	:======================================	========	========		=======

<sup>\*</sup> Post digestion spike reported.

NET-CAMBRIDGE DIVISION

Date of report:

12/13/94

Work ID: 3116CS SDG/ Batch: 9403860

Page:

3116CS Blank: Found, mg/L Element 0.00 Ag < 0.020 Al As < 0.0020 < 0.0040 Ba < 0.0010 Be Ca < 0.020 Cd < 0.0030 Co < 0.0030 Cr < 0.0060 < 0.0030 Cu 0.022 Fe < 0.00020 Hg K < 0.40 < 0.020 Mg Mn < 0.0020 < 0.10 Na Ni < 0.015 Pb < 0.035 < 0.025 Sb Se < 0.0020 i Tl < 0.0020 V < 0.0050 < 0.0050 Zn

All blank values one within acceptable limits.

### QC SUMMARY FOR INORGANICS REPORT: LAB CONTROL STANDARDS

NET-CAMBRIDGE DIVISION

Date of report:

12/13/94

Work ID: 3116CS

SDG/ Batch: 9403860

Page:

	-							======	<u>.</u>	====
======= Standard:	=======	LCSHCL	3116CS (	(Solid)			LCSHG 3	116CS (	Solid)	
Standard.	True	Found	Units	% R		True	Found	Units	% R	
Element										
Ag !	1.0	0.52	mg/L	52	į					I
Al I	1.0 .	0.99	mg/L	99	l					
As I	1.0	1.0	mg/L	100						j
Ba I	1.00	0.96	mg/L	96	1					
Be I	0.20	0.198	mg/L	99	ì					l
+	•				+					+
Ca I	5.0	4.8	mg/L	96	ļ					!
cd I	1.00	0.95	mg/L	95	į					1
Co I	1.00	0.98	mg/L	98	1					!
Cr i	1.00	0.98	mg/L	98	1					
Cu l	1.00	0.99	mg/L	99	j					1
+	•				+					+
Fe I	1.0	1.0	mg/L	100	ļ					
Hg i					1	0.0040	0.0044	mg/L	110	I
K j	10	9.3	mg/L	93	1					
Mg l	1.0	0.94	mg/L	94	1					1
Mn l	1.00	0.98	mg/L	98	j					ı
-1	•				+					+
Na i	5.0	4.8	mg/L	96	1					!
Ni	1.0	0.97	mg/L	97	!					<u> </u>
Pb !	1.0	0.94	mg/L	94	!					!
Sb I	1.0	0.97	mg/L	97	l					i
Se I	1.0	1.0	mg/L	100	1					ļ
m		0.05	/T	0.5	+ ;					<del>T</del> 1
Tl I	1.0	0.95	mg/L	95 02	i					} \$
V I	1.00	0.92	mg/L	92	j				•	J
Zn J	1.00	0.94	mg/L	94	! 					! ====

Silver LCS recovery is low. Method requires no corrective action

QC SUMMARY FOR INORGANICS REPORT: LAB CONTROL STANDARDS

NET-CAMBRIDGE DIVISION

Date of report:

12/13/94

Work ID: 3116CS SDG/ Batch: 9403860

Page:

5

	==	_	=======	======	=======	
	Standard:	True	LCSHN03 Found	3116CS Units	(Solid) % R	
-	Element Ag   Al   As   Ba   Be	0.020	0.019	mg/L	95	
	Ca   Cd   Co   Cr   Cu			·		 
	Fe   Hg   K   Mg   Mn					 
	Na   Ni   Pb   Sb   Se	0.020			105 100	
	T1   V   Zn	0.050			106	+       

### QUALITY CONTROL DATA

Client: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Report Date: 12/19/1994

Surrogate Standard Percent Recovery

Aboreviated Surrogate Standard Names:

SS1 SS2 SS3 SS4 SS5 SS6 SS7 SS8 SS9 SS10 SS11 SS12

Trifluo Bromoft 1,2-Dic Toluene 2-Fluor Phenol- 2,4,6-T 2-Fluor Nitrobe p-Terph

					Perce	nt Reco	very						
Sample ID	NET ID Matrix	SS1	SS2	ss3	SS4	SS5	SS6	ss7	888	SS9	SS10	SS11	<b>S</b> S12
SB-01-04	113613 SOIL	107	103	89	94	DIL	DIL	DIL	DIL	DIL	DIL		
SB-01-08	113614 SOIL	115	104	95	97	DIL	DIL	DIL	DIL	DIL	DIL		
sa-02-02	113615 SOIL	69	84	89	94	83	87	99	94	93	90		
SB-02-07	113616 SOIL	96	93	93	88	84	88	103	94	94	95		
SB-03-8.5	113617 SOIL	98	92	109	113	72	93	115	113	83	132		
SB-03-12	113618 SOIL	81	90	93	94	82	88	98	95	95	94		

Notes:

NR - This surrogate standard is Not Required. Other versions of this test method may use this surrogate standard.

Dil - This surrogate standard was diluted to below detectable levels due to concentrations of analytes in this sample.

Complete Surrogate Standard Names Listed by Analysis:

Pesticide Surrogate Standards:

Decachl = Decachlorobiphenyl

Dibutyl = Dibutylchlorendate

Tetrach = Tetrachloro-m-xylene

Volatile Surrogate Standards:

Bromofl = Bromofluorobenzene

1,2-Dichl = 1,2-Dichloroethane-d4

Toluene = Toluene-d8

Drinking Water Method 524 1,2-Dichl = 1,2-Dichlorobenzene-d4

Semivolatlile Surrogate Standards:

2-Fluor (1st) = 2-Fluorobiphenyl

Phenol- = Phenol-d6

2,4,6-T = 2,4,6-Tribromophenol

2-Fluor (2nd) = 2-Fluorophenot

Nitrobe = Nitrobenzene-d5

p-Terph = p-Terphenyl

<u>Herbicides Surrogate Standard</u>:

2,4-Dic = 2,4-Dichlorophenyl acetic acid

Petroleum Hydrocarbon Fingerprint Surrogate Standard:

2-fluor = 2-fluorobiphenyl

para-Te = para-Terphynyt

## QUALITY CONTROL DATA

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Report Date: 12/19/1994

Method Blank Analysis Data								
			Prep	Run	Run	Analyst		
Test Name	Result	Units	Batch	Batch	Date	Initials		
TCL Volatiles by GC/MS 8240 S								
Bromofluorobenzene	95	% recov.		624	12/07/1994	cbe		
1,2-Dichloroethane-d4	91	% recov.		624	12/07/1994	cbe		
Toluene-d8	95	% recov.		624	12/07/1994	cbe		
Acetone	<25	ug/Kg		624	12/07/1994	cbe		
Benzene	<b>&lt;</b> 5	ug/Kg		624	12/07/1994	cbe		
Bromodichloromethane	<b>&lt;</b> 5	ug/Kg		624	12/07/1994	cbe		
Bromoform	<b>&lt;</b> 5	ug/Kg		624	12/07/1994	cbe		
Bromomethane	<5	ug/Kg		624	12/07/1994	cbe		
2-Butanone (MEK)	<25	ug/Kg		624	12/07/1994	cbe		
Carbon Disulfide	<5	ug/Kg		624	12/07/1994	cbe		
Carbon Tetrachloride	<5	ug/Kg		624	12/07/1994	cbe		
Chlorobenzene	<5	ug/Kg		624	12/07/1994	cbe		
****	<5	ug/Kg		624	12/07/1994	cbe		
Chloroethane 2-Chloroethylvinyl ether	<5	ug/Kg		624	12/07/1994	cbe		
	<5	ug/Kg		624	12/07/1994	cbe		
Chloroform	<5	ug/Kg		624	12/07/1994	cbe		
Chloromethane	<b>&lt;</b> 5	ug/Kg		624	12/07/1994	cbe		
Dibromochloromethane	< <b>5</b>	ug/Kg		624	12/07/1994	cbe		
1,2-Dichlorobenzene	<b>&lt;</b> 5	ug/Kg		624	12/07/1994	cbe		
1,3-Dichlorobenzene	<5	ug/Kg		624	12/07/1994	cbe		
1,4-Dichlorobenzene	<5	ug/Kg		624	12/07/1994	cbe		
1,1-Dichloroethane	<5	ug/Kg		624	12/07/1994	cbe		
1,2-Dichloroethane	<5	ug/Kg		624	12/07/1994	cbe		
1,1-Dichloroethene	<5	ug/Kg		624	12/07/1994	cbe		
1,2-Dichloroethene (total)	<5	ug/Kg		624	12/07/1994	cbe		
1,2-Dichloropropane	<5	ug/Kg		624	12/07/1994	cbe		
cis-1,3-Dichloropropene	<5	ug/Kg		624	12/07/1994	cbe		
trans-1,3-Dichloropropene	<5	ug/Kg		624	12/07/1994	cbe		
Ethylbenzene	<25	ug/Kg		624	12/07/1994	cbe		
2-Hexanone	< <u>5</u>	ug/Kg		624	12/07/1994	cbe		
Methylene Chloride		ug/Kg		624	12/07/1994	cpe		
4-Methyl-2-pentanone (MIBK	<25 <5	ug/Kg		624	12/07/1994	cbe		
Styrene	<5	ug/Kg ug/Kg		624	12/07/1994	cbe		
1,1,2,2-Tetrachloroethane	<5	ug/Kg		624	12/07/1994	cbe		
Tetrachloroethene		_		624	12/07/1994	cbe		
Toluene	<5	ug/Kg ug/Kg		624	12/07/1994	cbe		
1,1,1-Trichloroethane	=			624	12/07/1994	cbe		
1,1,2-Trichloroethane	<5	ug/Kg		624	12/07/1994	cbe		
Trichloroethene	<b>&lt;</b> 5	ug/Kg		624	12/07/1994	cbe		
Trichlorofluoromethane	<b>&lt;</b> 5	ug/Kg		624	12/07/1994	cbe		
Vinyl Acetate	<b>&lt;</b> 5	ug/Kg			12/07/1994	cbe		
Vinyl Chloride	<5	ug/L		624		cbe		
m-Xylene	<b>&lt;</b> 5	ug/Kg		624	12/07/1994 12/07/1994	cbe		
o-Xylene	<b>&lt;</b> 5	ug/L		624				
p-Xyl ene	<5	ug/Kg		624	12/07/1994	cbe		

### QUALITY CONTROL DATA

Report To: \_ Aneptek -

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Report Date : 12/19/1994

### Method Blank Analysis Data

			Prep	Run	Run	Analyst
Test Name	Result	Units	Batch	Batch	Date	Initials
 TCL Volatiles by GC/MS 8240 S						**
Bromofluorobenzene	99	% recov.		625	12/06/1994	bel
1,2-Dichloroethane-d4	97	% recov.		625	12/06/1994	bel
Toluene-d8	98	% recov.		625	12/06/1994	bel
Acetone	<1200	ug/Kg		625	12/06/1994	bel
Benzene	<200	ug/Kg		625	12/06/1994	bet
Bromodichloromethane	<200	ug/Kg		625	12/06/1994	bel
Bromoform	<200	ug/Kg		625	12/06/1994	bel
Bromomethane	<200	ug/Kg		625	12/06/1994	bel
2-Butanone (MEK)	<1200	ug/Kg		625	12/06/1994	bel
Carbon Disulfide	<200	ug/Kg		625	12/06/1994	bel
Carbon Tetrachloride	<200	ug/Kg ug/Kg		625	12/06/1994	bel
Chlorobenzene	<200	`ug/Kg		625	12/06/1994	bel
Chloroethane	<200	ug/Kg		625	12/06/1994	bel
2-Chloroethylvinyl ether	<200	ug/Kg		625	12/06/1994	bel
Chloroform	<200	ug/Kg		625	12/06/1994	bel
Chloromethane	<200	ug/Kg		625		
Dibromochloromethane	<200				12/06/1994	bel
1,2-Dichlorobenzene	<200	ug/Kg		625	12/06/1994	bel
		ug/Kg		625	12/06/1994	bel
1,3-Dichlorobenzene	<200	ug/Kg		625	12/06/1994	bel
1,4-Dichlorobenzene	<200 <200	ug/Kg		625	12/06/1994	bel
1,1-Dichloroethane		ug/Kg		625	12/06/1994	bel
1,2-Dichloroethane	<200 <200	ug/Kg		625	12/06/1994	bel
1,1-Dichloroethene		ug/Kg		625	12/06/1994	bel
1,2-Dichloroethene (total)	<200	ug/Kg		625	12/06/1994	bel
1,2-Dichloropropane	<200 <200	ug/Kg		625	12/06/1994	bel
cis-1,3-Dichloropropene		ug/Kg		625	12/06/1994	bel 
trans-1,3-Dichloropropene	<200 <200	ug/Kg		625	12/06/1994	bel
Ethylbenzene		ug/Kg		625	12/06/1994	bel
2-Hexanone	<1200 <200	ug/Kg		625	12/06/1994	bel
Methylene Chloride	<1200	ug/Kg		625	12/06/1994	bel
4-Methyl-2-pentanone (MIBK	<200	ug/Kg		625	12/06/1994	bel
Styrene	<200	ug/Kg		625	12/06/1994	bel
1,1,2,2-Tetrachloroethane Tetrachloroethene	<200	ug/Kg		625	12/06/1994	bel
Toluene	<200 <200	ug/Kg		625	12/06/1994	bel
		ug/Kg		625	12/06/1994	bel
1,1,1-Trichloroethane	<200	ug/Kg		625	12/06/1994	bel
1,1,2-Trichloroethane	<200	ug/Kg		625	12/06/1994	bel
Trichloroethene	<200	ug/Kg		625	12/06/1994	bel
Trichlorofluoromethane	<200	ug/Kg		625	12/06/1994	bel
Vinyl Acetate	<200	ug/Kg		625	12/06/1994	bel
Vinyl Chloride	<200	ug/L		625	12/06/1994	bel 
m-Xylene	<200	ug/Kg		625	12/06/1994	bel
o-Xylene	<200 <200	ug/L		625	12/06/1994	bet
p-Xylene	1200	ug/Kg		625	12/06/1994	bel

### QUALITY CONTROL DATA

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Report Date : 12/19/1994

### Method Blank Analysis Data

	метлод вта	nk Anatysis Da		_	_		
	Decret 6	Haiba	Prep	Run	Run	Analyst	-
Test Name	Result	Units	Batch	Batch	Date	Initials	
TCL Volatiles by GC/MS 8240 S							
Bromofluorobenzene	98	% recov.		626	12/05/1994	jpt	
1,2-Dichloroethane-d4	95	% recov.		626	12/05/1994	jpt	
Toluene-d8	96	% recov.		626	12/05/1994	jpt	
Acetone -	<25	ug/Kg		626	12/05/1994	jpt	
Benzene	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
Bromodichloromethane	<5	ug/Kg		626	12/05/1994	jpt	
Bromoform	<5	ug/Kg		626	12/05/1994	jpt	
Bromomethane	<5	ug/Kg		626	12/05/1994	jpt	
2-Butanone (MEK)	<25	ug/Kg		626	12/05/1994	jpt	
Carbon Disulfide	<5	ug/Kg		626	12/05/1994	jpt	
Carbon Tetrachloride	<5	ug/Kg		626	12/05/1994	jpt	
Chlorobenzene	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
Chloroethane	<5	ug/Kg		626	12/05/1994	jpt	
2-Chloroethylvinyl ether	<5	ug/Kg		626	12/05/1994	jpt	
Chloroform	<5	ug/Kg		626	12/05/1994	jpt	
Chloromethane	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
ibromochloromethane	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
.2-Dichlorobenzene	<5	ug/Kg		626	12/05/1994	jpt	
,3-Dichlorobenzene	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
,4-Dichlorobenzene	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
.1-Dichloroethane	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
,2-Dichloroethane	<5	ug/Kg		626	12/05/1994	ĵpt	
,1-Dichloroethene	<5	ug/Kg		626	12/05/1994	jpt	
,2-Dichloroethene (total)	<5	ug/Kg		626	12/05/1994	jpt	
,2-Dichloropropane	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	ĵpt	
is-1,3-Dichloropropene	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
rans-1,3-Dichloropropene	<b>&lt;</b> 5	ug/Kg	•	626	12/05/1994	jpt	
thylbenzene	<5	ug/Kg		626	12/05/1994	jpt	
-Hexanone	<25	ug/Kg		626	12/05/1994	jpt	
lethylene Chloride	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
-Methyl-2-pentanone (MIBK	<25	ug/Kg		626	12/05/1994	jpt	
Styrene	<5	ug/Kg		626	12/05/1994	ĵpt	
,1,2,2-Tetrachloroethane	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
etrachloroethene	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
oluene	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
1,1,1-Trichloroethane	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
,1,2-Trichloroethane	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	ĵpt	
richloroethene	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
richlorofluoromethane	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
inyl Acetate	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
/inyl Chloride	<5	ug/L		626	12/05/1994	jpt	
n-Xylene	<b>&lt;</b> 5	ug/Kg		626	12/05/1994	jpt	
p-Xylene	<5	ug/L		626	12/05/1994	jpt	
p-Xyl ene	<5	ug/Kg		626	12/05/1994	jpt	

### QUALITY CONTROL DATA

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Report Date: 12/19/1994

Method	Blank	Analysis	Data
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	nethod btar	nk anatysis be			
-			Prep Run	Run	Analyst
Test Name	Result	Units	Batch Batch	Date	Initial
TCL Volatiles by GC/MS 8240 S					
Bromof Luorobenzene	100	% recov.	627	12/06/1994	jpt
1,2-Dichloroethane-d4	104	% recov.	627	12/06/1994	jpt
Foluene-d8	101	% recov.	627	12/06/1994	ĵpt
Acetone	<25	ug/Kg	627	12/06/1994	ĵpt
Benzene	<5	ug/Kg	627	12/06/1994	jpt
Bromodichloromethane	<5	ug/Kg	627	12/06/1994	ĵpt
Bromoform	<5	ug/Kg	627	12/06/1994	jpt
Bromomethane	<5	ug/Kg	627	12/06/1994	jpt
2-Butanone (MEK)	<25	ug/Kg	627	12/06/1994	jpt
Carbon Disulfide	<5	ug/Kg	627	12/06/1994	jpt
Carbon Tetrachloride	· <b>&lt;</b> 5	ug/Kg	627	12/06/1994	jpt
Chlorobenzene	<5	ug/Kg	627	12/06/1994	jpt
Chloroethane	<5	ug/Kg	627	12/06/1994	jpt
2-Chloroethylvinyl ether	<5	ug/Kg	627	12/06/1994	jpt
Chloroform	<b>&lt;</b> 5	ug/Kg	627	12/06/1994	jpt
Chloromethane	<b>&lt;</b> 5	ug/Kg	627	12/06/1994	jpt
Dibromochloromethane	<b>&lt;</b> 5	ug/Kg	627	12/06/1994	jpt
1,2-Dichlorobenzene	<b>&lt;</b> 5	ug/Kg	627	12/06/1994	jpt
1,3-Dichtorobenzene	<b>&lt;</b> 5	ug/Kg	627	12/06/1994	jpt
1,4-Dichlorobenzene	<b>&lt;</b> 5	ug/Kg	627	12/06/1994	jpt
1,1-Dichloroethane	<b>&lt;</b> 5	ug/Kg	627	12/06/1994	jpt
1,2-Dichloroethane	<5	ug/Kg	627	12/06/1994	ĵpt
1,1-Dichloroethene	<5	ug/Kg	627	12/06/1994	jpt
1,2-Dichloroethene (total)	<5	ug/Kg	627	12/06/1994	jpt
1,2-Dichloropropane	<5	ug/Kg	627	12/06/1994	jpt
cis-1,3-Dichloropropene	<5	ug/Kg	627	12/06/1994	jpt
trans-1,3-Dichloropropene	<5	ug/Kg	627	12/06/1994	jpt
Ethylbenzene	<b>&lt;</b> 5	ug/Kg	627 .	12/06/1994.	jpt
2-Hexanone	<25	ug/Kg	627 -	12/06/1994	jpt
Methylene Chloride	1	ug/Kg	627	12/06/1994	jpt
4-Methyl-2-pentanone (MIBK	<25	ug/Kg	627	12/06/1994	jpt
Styrene	<b>&lt;</b> 5	ug/Kg	627	12/06/1994	jpt
1,1,2,2-Tetrachloroethane	<5	ug/Kg	627	12/06/1994	ĵpt
Tetrachloroethene	<5	ug/Kg	627	12/06/1994	jpt
Toluene	<5	ug/Kg	627	12/06/1994	jpt
1,1,1-Trichloroethane	<5	ug/Kg	627	12/06/1994	jpt
1,1,2-Trichloroethane	<b>&lt;</b> 5	ug/Kg	627	12/06/1994	jpt
Trichloroethene	<b>&lt;</b> 5	ug/Kg	627	12/06/1994	jpt
Trichlorofluoromethane	<5	ug/Kg	627	12/06/1994	jpt
Vinyl Acetate	<5	ug/Kg	627	12/06/1994	jpt
Vinyt Chloride	. <5	ug/L	627	12/06/1994	jpt
m-Xylene	<5	ug/Kg	627	12/06/1994	jpt
o-Xylene	<b>&lt;</b> 5	ug/L	627	12/06/1994	jpt
p-Xylene	<5	ug/Kg	627	12/06/1994	jpt

### QUALITY CONTROL DATA

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Report Date: 12/19/1994

Method	Riank	Anal	V919	Data	
nethod	עניטו ע	11110	,,,,,		

	nethod bta	nk anatysis be	Ргер	Run	Run	Analyst
Na	Result	Units	Batch	Batch	Date	Initials
Test Name						
TCL Acid/Base/Neutrals 8270 S			4/0	<b>.</b>	12 /09 /100/	ico
2-Fluorophenol -	85	% recov.	168	405	12/08/1994	jcg :
Phenol-d5	88	% recov.	168	405	12/08/1994	jcg :
2,4,6-Tribromophenol	. 92	% recov.	168	405	12/08/1994	jcg
2-Fluorobiphenyl	99	% recov.	168	405	12/08/1994	jcg
Nitrobenzene-d15	95	% recov.	168	405	12/08/1994	jcg
p-Terphenyl-d14	98	% recov.	168	405	12/08/1994	jcg
Acenaphthene	<40	ug/Kg	168	405	12/08/1994	jcg
Acenaphthylene	<40	ug/Kg	168	405	12/08/1994	jcg
Anthracene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzidine	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(a)Anthracene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(a)Pyrene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(b)Fluoranthene	<40	ug/Kg	168	405	12/08/1994	jcg -
Benzo(g,h,i)Perylene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(k)Fluoranthene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzyl Alcohol	<40	ug/Kg	168	405	12/08/1994	jcg
4-Bromophenyl-phenylether	<40	ug/Kg	168	405	12/08/1994	jcg
Butylbenzylphthalate	<40	ug/Kg	168	405	12/08/1994	jcg
bis(2-Chloroethoxy)Methane	<40	ug/Kg	168	405	12/08/1994	jcg
bis(2-Chloroethyl)Ether	<40	ug/Kg	168	405	12/08/1994	jcg
bis(2-Chloroisopropyl)Ether	<40	ug/Kg	168	405	12/08/1994	jcg
2-Chloronaphthalene	<40	ug/Kg	168	405	12/08/1994	jcg
2-Chlorophenol	<40	ug/Kg	168	405	12/08/1994	jcg
4-Chlorophenyl-phenylether	<40	ug/Kg	168	405	12/08/1994	jcg
Di-n-Butylphthalate	<40	ug/Kg	168	405	12/08/1994	jcg
1,2-Dichlorobenzene	<40	ug/Kg	168	405	12/08/1994	jcg
1.3-Dichlorobenzene	<40	ug/Kg	168	405	12/08/1994	jcg
1,4-Dichlorobenzene	<40	ug/Kg	168	405	12/08/1994	jcg .
3,3'-Dichlorobenzidine	<40	ug/Kg	168	405	12/08/1994	jcg
2,4-Dimethylphenol	<40	ug/Kg	168	405	12/08/1994	jcg
Dimethyl Phthalate	<40	ug/Kg	168	405	12/08/1994	jcg
2,4-Dinitrophenol	<40	ug/Kg	168	405	12/08/1994	jcg
2,4-Dinitrotoluene	<40	ug/Kg	168	405	12/08/1994	jcg
Fluoranthene	<40	ug/Kg	168	405	12/08/1994	jcg
Fluorene	<40	ug/Kg	168	405	12/08/1994	jcg
Hexachlorobenzene	<40	ug/Kg	168	405	12/08/1994	jcg
Hexachlorobutadiene	<40	ug/Kg	168	405	12/08/1994	jcg
Hexachlorocyclopentadiene	<40	ug/Kg	168	405	12/08/1994	jcg
N-Nitrosodimethylamine	<40	ug/Kg	168	405	12/08/1994	jcg
	<40	ug/Kg	168	405	12/08/1994	jcg
4-Methylphenol	<40	ug/Kg	168	405	12/08/1994	jcg
4-Nitroaniline	<40	ug/Kg	168	405	12/08/1994	jcg
Nitrobenzene 2-Nitrophenol	<40	ug/Kg	168	405	12/08/1994	jcg
Z-N1[[CODDOD]						jcg
Phenanthrene	<40	ug/Kg	168	405	12/08/1994	jeg

# QUALITY CONTROL DATA

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Report Date : 12/19/1994

11 - 6 - 6 - 4	Dlask	Analysis	Data
Method	KIANK	Anatysis	vala

	Hethod Bta	ik /ii/dt/510 ==	Prep	Run	Run	Analyst
	Result	Units	Batch	Batch	Date	Initials
Test Name						
TCL Acid/Base/Neutrals 8270 S						
2-Fluorophenol .	85	% recov.	168	405	12/08/1994	jcg
Phenol-d5	88	% recov.	168	405	12/08/1994	jcg
2,4,6-Tribromophenol	92	% recov.	168	405	12/08/1994	jcg
2-Fluorobiphenyl	99	% recov.	168	405	12/08/1994	jcg
Nitrobenzene-d15	95	% recov.	168	405	12/08/1994	jcg
p-Terphenyl-d14	98	% recov.	168	405	12/08/1994	jcg
· ·	<40	ug/Kg	168	405	12/08/1994	jcg
Acenaphthene	<40	ug/Kg	168	405	12/08/1994	jcg
Acenaphthylene	<40	ug/Kg	168	405	12/08/1994	jcg
Anthracene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzidine	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(a)Anthracene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(a)Pyrene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(b)Fluoranthene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(g,h,i)Perylene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(k)Fluoranthene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzyl Alcohol 4-Bromophenyl-phenylether	<40	ug/Kg	168	405	12/08/1994	jcg
	<40	ug/Kg	168	405	12/08/1994	jcg
Butylbenzylphthalate bis(2-Chloroethoxy)Methane	<40	ug/Kg	168	405	12/08/1994	jcg
	<40	ug/Kg	168	405	12/08/1994	jcg
bis(2-Chloroethyl)Ether	<40	ug/Kg	168	405	12/08/1994	jcg
bis(2-Chloroisopropyl)Ether	<40	ug/Kg	168	405	12/08/1994	jcg
2-Chloronaphthalene	<40	ug/Kg	168	405	12/08/1994	jcg
2-Chlorophenol 4-Chlorophenyl-phenylether	<40	ug/Kg	168	405	12/08/1994	jcg
	<40	ug/Kg	168	405	12/08/1994	jcg
Di-n-Butylphthalate	<40	ug/Kg	168	405	12/08/1994	jcg
1,2-Dichlorobenzene	<40	ug/Kg	168	405	12/08/1994	jcg
1,3-Dichlorobenzene 1,4-Dichlorobenzene	<40	ug/Kg	168	405	12/08/1994	jcg
3,3'-Dichlorobenzidine	<40	ug/Kg	168	405	12/08/1994	jcg
2,4-Dimethylphenol	<40	ug/Kg	168	405	12/08/1994	jcg
Dimethyl Phthalate	<40	ug/Kg	168	405	12/08/1994	jcg
2,4-Dinitrophenol	<40	ug/Kg	168	405	12/08/1994	jcg
2,4-Dinitroplenot	<40	ug/Kg	168	405	12/08/1994	jcg
Fluoranthene	<40	ug/Kg	168	405	12/08/1994	jcg
Fluorene	<40	ug/Kg	168	405	12/08/1994	jcg
Hexachlorobenzene	<40	ug/Kg	168	405	12/08/1994	jcg
Hexachlorobutadiene	<40	ug/Kg	168	405	12/08/1994	jcg
Hexachtorocyclopentadiene	<40	ug/Kg	168	405	12/08/1994	jcg
N-Nitrosodimethylamine	<40	ug/Kg	168	405	12/08/1994	jcg
4-Methylphenol	<40	ug/Kg	168	405	12/08/1994	jcg
4-Methylphenol 4-Nitroaniline	<40	ug/Kg	168	405	12/08/1994	jcg
	<40	ug/Kg	168	405	12/08/1994	jcg
Nitrobenzene	<40	ug/Kg	168	405	12/08/1994	jeg
2-Nitrophenol	<40	ug/Kg	168	405	12/08/1994	jcg
Phenanthrene	<40	ug/Kg	168	405	12/08/1994	jcg
2,4,5-Trichlorophenol	170	C3) N3				*

### GRO MS/MSD

Lab Name: CAMBRG

Contract: Aneptek

Lab Code: CAMBRG

Case No: 94.04016 SDG No.:

Matrix Spike - EPA Sample No.: 113781

Matrix : SOIL

CONCENTRATION UNITS: ng/kg

Compound	Spike Added	Sample Concentration	MS Concentration	MS % Rec.	QC LIMITS REC.
aaa-TFT (surr)	50	N/A	35.8	72	60 - 120
GRO	27150	5400	17865	46*	60 - 120

		Man	MSD		QC	LIMITS
Compound	Spike Added	MSD Concentration	REC.	RPD	RPD	% RECOV.
aaa-TFT (surr)	50	51.4	103	0.4	20	60 - 120
GRO	27150	20363	55	18.2	20	60 - 120

RPD: _	1	out	of	2	outs	side	≥ ]	limits.	•
Spike	Recovery	: 1			out	of	4	outside	limits.

Comments:

Comments:

### GRO LCS

LCS ID GRO1212S

ANALYSIS DATE 12/15/94

EXT. DATE 12/12/94

SEQUENCE G:941213

MATRIX SOIL

ANALYST UMP

CLIENT ANEPTEK

JOB # 94.04016

### UNITS ng/mL

COMPOUND	CONCENTRATION SPIKED	CONCENTRATION RECOVERED	% RECOVERY	QC LIMITS
aaa-TFT (surr)	50	59.83	120	60-120
GRO	500	459.97	92	60-120

NET, Inc., Cambridge Division

\_0\_ out of 2 outside of limits.

# NET Cambridge Division QUALITY CONTROL DATA

Report To: Aneptek

NET Job No: 94.03925

Project: No. Smithfield RI ANG Station

Report Date: 12/19/1994

### Matrix Spike/Matrix Spike Duplicate Results

Compound	Spike Amount	Sample Result	Units	MS Result	MS % Recovery	MSD Result	Recovery	RPD
TCL Acid/Base/Neutrals 8270	s							
Acenaphthene	1450	<40	ug/Kg	1250	86.2	1280	88.3	2.4
4-Chloro-3-Methylphenol	1450	<40	ug/Kg	1280	88.3	1320	91.0	3.0
2-Chlorophenol	1450	<40	ug/Kg	1000	69.0	1120	77.2	11.2
1.4-Dichlorobenzene	1450	<40	ug/Kg	1060	73.1	1200	82.8	12.4
2,4-Dinitrotoluene	1450	<40	ug/Kg	1190	82.1	1230	84.8	3.2
N-Nitroso-di-n-Propylamine	1450	<40	ug/Kg	1240	85.5	1410	97.2	12.8
4-Nitrophenol	1450	<40	ug/Kg	1380	95.2	1430	98.6	3.5
Pentachlorophenol	1450	<40	ug/Kg	1270	87.6	1410	97.2	10.4
Phenol	1450	<40	ug/Kg	1010	69.7	1130	77.9	11.1
Pyrene	1450	<40	ug/Kg	1380	95.2	1420	97.9	2.8
1,2,4-Trichlorobenzene	1450	<40	ug/Kg	1090	75.2	1220	84.1	11.2

NOTE: Data reported for spiked samples were analyzed in the same batch, but may not necessarily be that of your sample.

## NET CAMBRIDGE

# SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

JOB NO. 94.039/7 SAMPLE NO. 113575

•		<u></u>		1			
FILE		C	IM				
COMPOUNDS	: SPIKE : ADDED :(UG/Kg)	SAMPLE CONCENTRAT (U6/Kg)		MS CENTRATI (UG/Kg)			QC LIMITS REC
,I-DICHLOROETHENE RICHLORGETHENE ENZENE OLUENE CHLOROBENZENE	50 50 50	<u>6</u>		49/4 44.10 46.23 49.48 45.72		88 92 99	59-17 62-13 66-14 59-13 60-13
FILE	. ,	: ·.			٠٠		 • ^
COMPOUNDS	; SPIKE ; ADDED ;(UG/Kg)	; MSD  CONCENTRAT		;	7.	; QC L	IMITS % REC
1,1-DICHLOROETHENE TRICHLOROETHENE BENZENE TOLUENE	! 50° ! 50° : 50°	52.42 45.86 44.16 53.01 47.76		92 92 96	7 4 7 5	; 22 ; ; 24 ; ; 21 ; ; 21 ; ; 21 ;	62-13 66-14 59-13
					(%R	PD FOR <= 25	
	VALUE	S OUTSIDE OF	QC LIMI	TS			
RPD	:O c	OUT OF 5	OUTS	IDE LIM	ITS		
SPIKE RECOV	ERY: 0	OUT OF _	10	_ OUTSI	DE OF L	IMITS	
COMMENTS:			•				
3/90							



# CHAIN OF CUSTODY RECORD

14.50 76.5 (0 06 2 ADDRESS 200 VEUT CRATISAC UT NATICE PHONE (See) 6.50-1048 PROJECT MANAGER MIK & COMPANY ANGREEK PROJECT NUMBER \_\_

NET QUOTE NO.

INVOICE TO:

P.O. NO.

REPORT TO:

SAMPLED BY	7	Ę,	ζ			100											7.5	· . :
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(PRINT NAME) • SIGNATURE											367							
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BOTTLES INTACT? YES/NO FIELD FILTERED? YES/NO CONDITION OF SAMPLE:

SAMPLE REMAINDER DISPOSAL:

COC SEALS PRESENT AND INTACT? YES / NO VOLATILES FREE OF HEADSPACE? YES / NO

RETURN SAMPLE REMAINDER TO CLIENT VIA I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS.

TEMPERATURE UPON RECEIPT:

DATE

RELINQUISHED BY DATE/TIM	DATE/TIME	REGEIVED BY:	RETINOUISHED BY:	1	KCINED FORMET BY
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NATIONAL ENVIRONMENTAL TESTING, INC.	

# CHAIN OF CUSTODY RECORD

FEDEX AIR SILL # 12/292/752

REPORT TO:

INVOICE TO:

P.O. NO.

N/A NAZICK PROJECT NAME/LOCATION  $\lambda$ ,  $\hat{J}_{m,1}$  LL E ,  $ec{\epsilon}_{L}$   $\delta$   $\Delta J \zeta_{L}$ へっつしたし ADDRESS 301 WAST PHONE (300) 650 PROJECT MANAGER ... PROJECT NUMBER\_ COMPANY\_

NET QUOTE NO.

SAMPLED BY	F. F.	Why						AN .	E STATE	ANALYSES		e de la composition della comp
(PRINT NAME)	SIGNATURE	//					\ <u>\</u>			\ \; \		.s.*
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SAMPLE REMAINDER DISPOSAL:	SAL: RETURN SAMPLE REMAINDER TO CLIENT VIA IREQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS	DER TO CL SE OF ALL	IENT VIASAMPLE REN	AINDER	8					DATE	7.00	1/4/

DATE/TIME

1.40 p. K 11/20/14 METHOD OF SHIPMENT

11 th X RELINGUISHED BY

HEMKAKS:

RECEIVED BY:

DATE/TIME

Contract of the second

### ANALYTICAL REPORT

Report To:

Mr. John Lee

Aneptek

209 West Central Street

Natick, MA 01760

Project:

No. Smithfield RI ANG Station

12/19/1994

NET Job Number: 94.04016

National Environmental Testing

NET Atlantic, Inc. Cambridge Division 12 Oak Park Bedford, MA 01730

Massachusetts Certification Number M MA023

### ANALYTICAL REPORT

Report To:

Mr. John Lee Aneptek 209 West Central Street Natick, MA 01760 Reported By:

National Environmental Testing NET Atlantic, Incorporated Cambridge Division 12 Oak Park Sedford, MA 61730

Report Date: 12/19/1994

NET Job Number: 94.04016

Project: No. Smithfield RI ANG Station

NET Client No: 4025

P.O. No: DAHA90-93-D-0003

Collected By: Client

Shipped Via: Fedex

U. Valencia

Job Description: Project # 94110.32

Airbill No: 1272921941

This report has been approved and certified for release by the following staff. Please feel free to call the NET Project Manager at 617-275-3535 with any questions or comments.

Alison P. Darrow NET Project Manager Report prepared by NET Reports Group

Analytical data for the following samples are included in this data report.

NET	DATE	TIME	DATE		
ID	TAKEN	TAKEN	REC'D	MATRIX	
447704	42 (04 (400)	12.15	12/02/1006	con	
	• •		• •		
113782	11/30/1994	14:10	12/02/1994	SOIL	
113783	11/30/1994	17:30	12/02/1994	SOIL	
113784	11/30/1994	14:30	12/02/1994	SOIL	
113785	11/30/1994	16:30	12/02/1994	SOIL	•
113786	12/01/1994	10:35	12/02/1994	SOIL	
113787	12/01/1994	10:20	12/02/1994	SOIL	
113788	12/01/1994	14:00	12/02/1994	SOIL	
113789	12/01/1994	14:15	12/02/1994	SOIL	
	113781 113782 113783 113784 113785 113786 113787 113788	113781 12/01/1994 113782 11/30/1994 113783 11/30/1994 113784 11/30/1994 113785 11/30/1994 113786 12/01/1994 113787 12/01/1994 113788 12/01/1994	1D TAKEN TAKEN  113781 12/01/1994 12:15 113782 11/30/1994 14:10 113783 11/30/1994 17:30 113784 11/30/1994 14:30 113785 11/30/1994 16:30 113786 12/01/1994 10:35 113787 12/01/1994 10:20 113788 12/01/1994 14:00	ID         TAKEN         TAKEN         REC'D           113781         12/01/1994         12:15         12/02/1994           113782         11/30/1994         14:10         12/02/1994           113783         11/30/1994         17:30         12/02/1994           113784         11/30/1994         14:30         12/02/1994           113785         11/30/1994         16:30         12/02/1994           113786         12/01/1994         10:35         12/02/1994           113787         12/01/1994         10:20         12/02/1994           113788         12/01/1994         14:00         12/02/1994	ID         TAKEN         TAKEN         REC'D         MATRIX           113781         12/01/1994         12:15         12/02/1994         SOIL           113782         11/30/1994         14:10         12/02/1994         SOIL           113783         11/30/1994         17:30         12/02/1994         SOIL           113784         11/30/1994         14:30         12/02/1994         SOIL           113785         11/30/1994         16:30         12/02/1994         SOIL           113786         12/01/1994         10:35         12/02/1994         SOIL           113787         12/01/1994         10:20         12/02/1994         SOIL           113788         12/01/1994         14:00         12/02/1994         SOIL

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: \$8-07-02.5

NET Sample No: 113781 -

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals, Priority P	ollutants S	EPA SW846	12/05/1994		12/05/1994		40	ecw
Solid Dig. SW846,		SW846.3050	12/05/1994	date	12/05/1994	3116cs		gsw
Solid Dig. SW846		sw846,3050	12/05/1994	date	12/05/1994	3116cs		gsw
Antimony (Sb)	846 ICP S	SW846 ICP. 6010	<5.5	mg/Kg	12/06/1994	3116cs	140	jem
Arsenic (As)	846 GFAA S	SW846 furnace, 7000	1.3	mg/Kg	12/12/1994	3116cs	57	mut
Beryllium (Be)	846 ICP S	SW846 ICP, 6010	0.28	mg/Kg	12/06/1994		137	jem
Cadmium (Cd)	846 ICP S	SW846 ICP, 6010	1.0	mg/Kg	12/06/1994		167	jem
Chromium (Cr)	846 ICP S	SW846 ICP, 6010	5.9	mg/Kg	12/06/1994		170	jem
Copper (Cu)	846 ICP S	SW846 ICP, 6010	7.4	mg/Kg	12/06/1994	3116cs	169	jem
Lead (Pb)	846 ICP S	SW846 ICP, 6010	12	mg/Kg	12/08/1994	3116cs	184	gmp
Mercury (Hg)	846 CVAA S	SW846 cold vapor, 7471	<0.11	mg/Kg	12/08/1994	3116cs	155	drm
Nickel (Ni)	846 ICP S	SW846 ICP, 6010	5.7	mg/Kg	12/06/1994	3116cs	148	. jem
Selenium (Se)	846 GFAA S	SW846 furnace, 7000	<0.44	mg/Kg	12/12/1994	3116cs	55	mut
Silver (Ag)	846 ICP S	SW846 ICP, 6010	<0.66	mg/Kg	12/08/1994	3116cs	145	9mp
Thallium (Tl)	846 GFAA S	SW846 furnace, 7000	<0.44	mg/Kg	12/09/1994	3116cs	47	mut
Zinc (Zn)	846 ICP S	SW846 ICP, 6010	24	mg/Kg	12/06/1994	3116cs	158	jem
EX Acid/Base/Neut		sw-846, 3500	12/05/1994	date	12/05/1994	exabn_	•	hpm

#### cambridge Division NET

### ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-07-02.5

NET Sample No: 115781

Analysis Prep Units Date Batch Batch Analyst Result Parameter TPH (Purgable) 8015 - GRO gah 12/14/1994 5400 ug/Kg Gasoline Range Organics

Notes on Petroleum Hydrocarbon analysis (EPA 8015):

This sample is contaminated with non-petroleum compounds. There is also heavyweight petroleum present that is outside the gasoline range of petroleum compounds.

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-07-02.5

e No: 113781		11= <del>5</del> <b>a</b> a	Analysis	Run Batch	Analyst
Parameter	Result	Units	Date	 	
TCL Volatiles by GC/MS 8240 S					
Acetone	<25	ug/Kg	12/08/1994	624	cbe
Benzene	<5.0	ug/Kg			
Bromodichloromethane	<5.0	ug/Kg			
Bromoform	<5.0	ug/Kg			
Bromomethane	<5.0	ug/Kg			
2-Butanone (MEK)	<25	ug/Kg			
Carbon Disulfide	<5.0	ug/Kg			
Carbon Tetrachloride	<5.0	ug/Kg			
Chlorobenzene	<5.0	ug/Kg			
Chloroethane	<5.0	ug/Kg			
2-Chloroethylvinyl ether	<5.0	ug/Kg			
Chloroform	<5.0	ug/Kg			
Chloromethane	<5.0	ug/Kg			
Dibromochloromethane	<5.0	ug/Kg			
1,2-Dichlorobenzene	<5.0	ug/Kg			
1,3-Dichlorobenzene	<5.0	ug/Kg			
1,4-Dichlorobenzene	<5.0	ug/Kg			
1.1-Dichloroethane	<5.0	ug/Kg			
1,2-Dichloroethane	<5.0	ug/Kg			
1.1-Dichloroethene	<5.0	ug/Kg			
1,2-Dichloroethene (total)	<5.0	ug/Kg			
1.2-Dichloropropane	<5.0	ug/Kg			
cis-1.3-Dichloropropene	<5.0	ug/Kg			
trans-1,3-Dichloropropene	<5.0	ug/Kg	•		
Ethylbenzene	<5.0	ug/Kg			
2-Hexanone	<25	ug/Kg			
4-Methyl-2-pentanone (MIBK	<25	ug/Kg			
Methylene Chloride	<5.0	ug/Kg			
Styrene	<5.0	ug/Kg			
1.1.2,2-Tetrachloroethane	<5.0	ug/Kg			
Tetrachloroethene	<5.0	ug/Kg			
Toluene	<5.0	ug/Kg			
1.1.1-Trichloroethane	<5.0	ug/Kg			
1,1,2-Trichloroethane	<5.0	ug/Kg			
Trichloroethene	<5.0	ug/Kg			
Trichlorofluoromethane	<5.0	ug/Kg			
Vinyl Acetate	<5.0	ug/Kg			
Vinyl Chloride	<5.0	ug/Kg			
m-Xylene	<5.0	ug/Kg			
o-Xytene	<5.0	ug/Kg			
p-Xylene	<5.0	ug/Kg			
. ,					

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-07-02.5

e Not 113781			Analysīs	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	<400	ug/Kg	12/12/1994	168	406	jcg
Acenaphthylene	<400	ug/Kg				
Anthracene	<400	ug/Kg				
Benzidine	<400	ug/Kg				
Benzo(a)Anthracene	<400	ug/Kg				
Benzo(a)Pyrene	<400	ug/Kg				
Benzo(b)Fluoranthene	<400	ug/Kg				
Benzo(g,h,i)Perylene	<400	ug/Kg				
Benzo(k)Fluoranthene	<400	ug/Kg				
Benzoic Acid	<400	ug/Kg				
Benzyl Alcohol	<400	ug/Kg				
4-Bromophenyl-phenylether	<400	ug/Kg				
Butylbenzylphthalate	<400	ug/Kg	•			
4-Chloro-3-Methylphenol	<400	ug/Kg				
4-Chloroaniline	<400	ug/Kg				
bis(2-Chloroethoxy)Methane	<400	ug/Kg				
bis(2-Chloroethyl)Ether	<400	ug/Kg				
bis(2-Chloroisopropyl)Ether	<400	ug/Kg				
2-Chloronaphthalene	<400	ug/Kg				
2-Chlorophenol	<400	ug/Kg				
4-Chlorophenyl-phenylether	<400	ug/Kg				
Chrysene	<400	ug/Kg				
Di-n-Butylphthalate	<400	ug/Kg				
Di-n-Octyl Phthalate	<400	ug/Kg				
Dibenz(a,h)Anthracene	<400	ug/Kg				
Dibenzofuran	<400	ug/Kg				
1,2-Dichlorobenzene	<400	ug/Kg				
1,3-Dichlorobenzene	<400	ug/Kg				
1,4-Dichlorobenzene	<400	ug/Kg				
3.3'-Dichlorobenzidine	<400	ug/Kg				
2,4-Dichlorophenol	<400	ug/Kg				
Diethylphthalate	<400	ug/Kg				
Dimethyl Phthalate	<400	ug/Kg				
2.4-Dimethylphenol	<400	ug/Kg				
4,6-Dinitro-2-Methylphenol	<400	ug/Kg				
2,4-Dinitrophenol	<400	ug/Kg				
	<400	ug/Kg				
2,4-Dinitrotoluene	<400	ug/Kg				
2,6-Dinitrotoluene	<400	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<400	ug/Kg				
Fluoranthene	<400	ug/Kg				
Fluorene	<400	ug/Kg				
Bexachlorobenzene	<400 <					
Hexachtorobutadiene		ug/Kg				
Hexachlorosyclopentadiene	<400	ug/Kg				
Hexachloroethane	<490	ug/Kg		•		
Inchrec(1,2,3-cd)Pyrene	<400	ug/Kg				
Isophorone	<400	ug/Kg				

### ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: \$3-07-02.5

NET Sample No: 113781

e NO: 113701	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Parameter	xesott	0111 €3				
2-Methylnaphthalene	<400	ug/Kg				
2-Methylphenol	<400	ug/Kg	12/12/1994	168	406	jcg
4-Methylphenol	<400	ug/Kg				
N-Nitroso-di-n-Propylamine	<400	ug/Kg				
N-Nitrosodimethylamine	<400	ug/Kg				
N-Nitrosodiphenylamine	<400	ug/Kg				
Naphthalene	<400	ug/Kg				
2-Nitroaniline	<400	ug/Kg			•	
3-Nitroaniline	<400	ug/Kg				
4-Nitroaniline	<400	ug/Kg				
Nitrobenzene	<400	ug/Kg				
2-Nitrophenol	<400	ug/Kg				
4-Nitrophenol	<400	ug/Kg				
Pentachlorophenol	<400	ug/Kg				
Phenanthrene	<400	ug/Kg				
Phenol	<400	ug/Kg				
Pyrene -	<400	ug/Kg				
1,2,4-Trichlorobenzene	<400	ug/Kg				
2,4,5-Trichlorophenol	<400	ug/Kg				
2,4,6-Trichlorophenol	<400	ug/Kg				

Sample required dilution because extract was viscous, resulting in an elevated reporting limit for this sample.

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-04-02

NET Sample No: 113782 .

Parameter			Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals, Priority Pol		s	EPA SW846	12/05/1994		12/05/1994		40	ecw
Solid Dig. SW846,30	550	S	su846,3050	12/05/1994	date	12/05/1994			gsw
Solid Dig. SW846 GI	FAA, 3050	S	sw846,3050	12/05/1994	date	12/05/1994			gsw gsw
Antimony (Sb)	846 ICP	S	SW846 ICP, 6010	<5.3	mg/Kg	12/06/1994			jem
Arsenic (As)	846 GFAA	S	SW846 furnace, 7000	<0.43	mg/Kg	12/12/1994	3116cs	57	mwt
Beryllium (Be)	846 ICP	s	SW846 ICP, 6010	<0.21	mg/Kg	12/06/1994		137	jem
Cadmium (Cd)	846 ICP	s	SW846 ICP, 6010	0.84	mg/Kg	12/06/1994		167	jems
Chromium (Cr)	846 ICP		SW846 ICP, 6010	1.6	mg/Kg	12/06/1994		170	jem
Copper (Cu)	846 ICP		SW846 ICP, 6010	7.2	mg/Kg	12/06/1994	3116cs	169	jem
Lead (Pb)	846 ICP		SW846 ICP, 6010	<7.4	mg/Kg	12/08/1994	3116cs	184	gmp
Mercury (Hg)	846 CVAA		SW846 cold vapor, 7471	<0.11	mg/Kg	12/08/1994	3116cs	155	drm
Nickel (Ni)	846 ICP		SW846 ICP, 6010	<3.2	mg/Kg	12/06/1994	3116cs	148	jem
Selenium (Se)	846 GFAA		SW846 furnace, 7000	<0.43	mg/Kg	12/12/1994	3116cs	55	mwt
Silver (Ag)	846 ICP	s	SW846 ICP, 6010	<0.64	mg/Kg	12/08/1994	3116cs	145	gmp
Thallium (Tl)	846 GFAA	s	SW846 furnace, 7000	<0.43	mg/Kg	12/09/1994	3116cs	47	mut
Zinc (Zn)	846 ICP		SW846 ICP, 6010	14	mg/Kg	12/06/1994	3116cs	158	jem
EX Acid/Base/Neutr		s	sw-846, 3500	12/05/1994	date	12/05/1994	exabn_		hpm

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-04-02

NET Sample No: 113782

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S
Gasoline Range Organics <2800 ug/Kg 12/14/1994 3 gah

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-04-02

•			Analysis		Run	
Parameter	Result	Units	Date	Batch	Batch	Analysi
TCL Volatiles by GC/MS 8240 S						
Acetone	<25	ug/Kg	12/07/1994		627	jpt
Benzene	<5.0	ug/Kg				
Bromodichloromethane	<5.0	ug/Kg				
Bromoform	<5.0	ug/Kg				
Bromomethane	<5.0	ug/Kg				
2-Butanone (MEK)	<25	ug/Kg				
Carbon Disulfide	<5.0	ug/Kg				
Carbon Tetrachloride	<5.0	ug/Kg				
Chlorobenzene	<5.0	ug/Kg				
Chloroethane	<5.0	ug/Kg				
2-Chloroethylvinyl ether	<5.0	ug/Kg				
Chloroform	<5.0	ug/Kg				
Chloromethane	<5.0	ug/Kg				
Dibromochloromethane	<5.0	ug/Kg				
1,2-Dichlorobenzene	<5.0	ug/Kg				
1,3-Dichlorobenzene	<5.0	ug/Kg				
1,4-Dichlorobenzene	<5.0	ug/Kg				
1.1-Dichloroethane	<5.0	ug/Kg				
1,2-Dichloroethane	<5.0	ug/Kg				
1,1-Dichloroethene	<5.0	ug/Kg				
1,2-Dichloroethene (total)	<5.0	ug/Kg				
1,2-Dichloropropane	<5.0	ug/Kg				
cis-1,3-Dichloropropene	<5.0	ug/Kg			•	
trans-1,3-Dichloropropene	<5.0	ug/Kg				
Ethylbenzene	<5.0	ug/Kg				
2-Hexanone	<25 .	ug/Kg				
4-Methyl-2-pentanone (MIBK	<25	ug/Kg				
Methylene Chloride	<5.0	ug/Kg				
Styrene	<5.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<5.0	ug/Kg				
Tetrachloroethene	<5.0	ug/Kg				
Toluene	<5.0	ug/Kg				
1,1,1-Trichloroethane	<5.0	ug/Kg				
1,1,2-Trichloroethane	<5.0	ug/Kg				
Trichloroethene	<5.0	ug/Kg				
Trichlorofluoromethane	<5.0	ug/Kg				
Vinyl Acetate	<5.0	ug/Kg				
Vinyl Chloride	<5.0	ug/Kg				
m-Xylene	<5.0	ug/Kg				
o-Xylene	<5.0	ug/Kg				
p-Xylene	<5.0	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-04-02

e No: 113782			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch		Analyst
TCL Acid/Base/Neutrals 8270 S						-
Acenaphthene	<40	ug/Kg	12/12/1994	168	406	jcg
Acenaphthylene	<40	ug/Kg				
Anthracene	<40	ug/Kg				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40	ug/Kg				
Benzo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Benzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluoranthene	<40	ug/Kg				
Benzoic Acid	<40	ug/Kg				
Benzyl Alcohol	<40	ug/Kg				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Methylphenol	<40	ug/Kg				
4-Chloroaniline	<40	ug/Kg				
bis(2-Chloroethoxy)Methane	<40	ug/Kg				
bis(2-Chloroethyl)Ether	<40	ug/Kg				
bis(2-Chloroisopropyl)Ether	<40	ug/Kg				
2-Chloronaphthalene	<40	ug/Kg				
2-Chlorophenol	<40	ug/Kg				
4-Chlorophenyl-phenylether	<40	ug/Kg				
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	<40	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg		*		
Dibenz(a,h)Anthracene	<40	ug/Kg				
Dibenzofuran	<40	ug/Kg				
1,2-Dichlorobenzene	<40	ug/Kg				
1,3-Dichlorobenzene	<40	ug/Kg				
1,4-Dichlorobenzene	<40	ug/Kg				
3.3'-Dichlorobenzidine	<40	ug/Kg				
2,4-Dichlorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2,4-Dimethylphenol	<40	ug/Kg				
4.6-Dinitro-2-Methylphenol	<40	ug/Kg				
2.4-Dinitrophenol	<40	ug/Kg				
2,4-Dinitrotoluene	<40	ug/Kg				
2.6-Dinitrotoluene	<40	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<40	ug/Kg				
Fluoranthene	<40	ug/Kg				
Fluorene	<40	ug/Kg				
Hexachlorobenzene,	<40	ug/Kg				
Hexachlorobutadiene	<40	ug/Kg				
Hexachlorocyclopentadiena	<40	ug/Kg				
Hexachloroethane	<40	ug/Kg				
Indeno(1,2,3-cd)Pyrene	<40	ug/Kg				
Isophorone	<40	ug/Kg				
rsophorone	. ~	-3719				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-04-02

		Analysis	Prep	Run	
Result	Units	Date	Batch	Batch	Analyst
<40	ug/Kg				
<40	ug/Kg	12/12/1994	168	406	jcg
<40	ug/Kg				
<40	ug/Kg				
<40	ug/Kg				
	- ·				
· =					
<40	ug/Kg				
<40	ug/Kg				
<40	ug/Kg				
<40	ug/Kg				
	-				
	=				
	-				
<40	ug/Kg				
	<40 <40 <40 <40 <40 <40 <40 <40 <40 <40	<40	Result Units   Date	Result Units   Date   Batch	Result   Units   Date   Batch   Batch

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: \$3-05-16.25

NET Sample No: 113783 .

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals, Priority P	Pollutants S	EPA SW846	12/05/1994		12/05/1994		40	есы
Solid Dig. SW846,		sw846,3050	12/05/1994	date	12/05/1994	3116cs		gsw
Solid Dig. SW846	-	•	12/05/1994	date	12/05/1994	3116cs		gsw
Antimony (Sb)	846 ICP S	SW846 ICP, 6010	<5.8	mg/Kg	12/06/1994	3116cs	140	jem
Arsenic (As)	846 GFAA S	SW846 furnace, 7000	1.8	mg/Kg	12/12/1994	3116cs	57	mwt
Beryllium (Be)	846 ICP S	\$W846 ICP, 6010	0.51	mg/Kg	12/06/1994		137	jem
Cadmium (Cd)	846 ICP S	SW846 ICP, 6010	1.6	mg/Kg	12/06/1994		167	jem
Chromium (Cr)	846 ICP S	SW846 ICP, 6010	5.9	mg/Kg	12/06/1994		170	jema
Copper (Cu)	846 ICP S	SW846 ICP, 6010	19	mg/Kg	12/06/1994	3116cs	169	jem
Lead (Pb)	846 ICP S	SW846 ICP. 6010	14	mg/Kg	12/08/1994	3116cs	184	gmp
Mercury (Hg)	846 CVAA S	SW846 cold vapor, 7471	<0.12	mg/Kg	12/08/1994	3116cs	155	drm
Nickel (Ni)	846 ICP S	SW846 ICP, 6010	6.3	mg/Kg	12/06/1994	3116cs	148	jem
Selenium (Se)	846 GFAA S	SW846 furnace, 7000	<0.46	mg/Kg	12/12/1994	3116cs	55	mut
Silver (Ag)	846 ICP S	SW846 ICP, 6010	<0.69	mg/Kg	12/08/1994	3116cs	145	gmp
Thallium (Tl)	846 GFAA S	SW846 furnace, 7000	<0.46	mg/Kg	12/09/1994	3116cs	47	mwt
Zinc (Zn)	846 ICP S	SW846 ICP, 6010	39	mg/Kg	12/06/1994	3116cs	158	jem
EX Acid/Base/Neu		sw-846, 3500	12/05/1994	date	12/05/1994	exabn_		hpm

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-05-16.25

NET Sample No: 113783

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics <2800 ug/Kg 12/14/1994 3 gah

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-05-16.25

e 1.5105			Analysis	Ргер	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<30.	ug/Kg	12/08/1994		624	cbe
Benzene	<6.0	ug/Kg				
Bromodichloromethane	<6.0	ug/Kg				
Bromoform	<6.0	ug/Kg				
Bromomethane	<6.0	ug/Kg				
2-Butanone (MEK)	<30.	ug/Kg				
Carbon Disulfide	<6.0	ug/Kg				
Carbon Tetrachloride	<6.0	ug/Kg				
Chlorobenzene	<6.0	ug/Kg				
Chloroethane	<6.0	ug/Kg				
2-Chloroethylvinyl ether	<6.0	ug/Kg				
Chloroform	<6.0	ug/Kg				
Chloromethane	<6.0	ug/Kg				
Dibromochloromethane	<6.0	ug/Kg				
1,2-Dichlorobenzene	<6.0	ug/Kg				
1,3-Dichlorobenzene	<6.0	ug/Kg				
1,4-Dichlorobenzene	<6.0	ug/Kg				
1,1-Dichloroethane	<6.0	ug/Kg				
1,2-Dichloroethane	<6.0	ug/Kg				
1,1-Dichloroethene	<6.0	ug/Kg				
1,2-Dichloroethene (total)	<6.0	ug/Kg				
1,2-Dichloropropane	<6.0	ug/Kg				
cis-1,3-Dichloropropene	<6.0	ug/Kg				
trans-1,3-Dichloropropene	<6.0	ug/Kg				
Ethylbenzene	<6.0	ug/Kg				
2-Hexanone	<30.	ug/Kg				
4-Methyl-2-pentanone (MIBK	<30.	ug/Kg				
Methylene Chloride	<6.0	ug/Kg				
Styrene	<6.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<6.0	ug/Kg				
Tetrachloroethene	<6.0	ug/Kg				
Toluene	<6.0	ug/Kg				
1,1,1-Trichloroethane	<6.0	ug/Kg				
1,1,2-Trichloroethane	<6.0	ug/Kg				
Trichloroethene	<6.0	ug/Kg				
Trichlorofluoromethane	<6.0	ug/Kg				
Vinyl Acetate	<6.0	ug/Kg				
Vinyl Chloride	<6.0	ug/Kg				
m-Xýtene	<6.0	ug/Kg				
o-Xylene	<6.0	ug/Kg				
p-Xylene	<6.0	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-05-16.25

e No: 113783			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
00 and 0270 C						
TCL Acid/Base/Neutrals 8270 S	<40	ug/Kg	12/12/1994	168	406	jcg
Acenaphthene	<40 <40	ug/Kg	12, 12, 177			, ,
Acenaphthylene	<40	ug/Kg				
Anthracene		ug/Kg				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40					
Benzo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Benzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluoranthene	<40	ug/Kg				
Benzoic Acid	<40	ug/Kg				
Benzyl Alcohol	<40	ug/Kg				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Methylphenol	<40	ug/Kg				
4-Chloroaniline	<40	ug/Kg				
bis(2-Chloroethoxy)Methane	<40	ug/Kg				
bis(2-Chloroethyl)Ether	<40	ug/Kg				
bis(2-Chloroisopropyl)Ether	<40	ug/Kg				
2-Chloronaphthalene	<40	ug/Kg				
2-Chlorophenol	<40	ug/Kg				
4-Chlorophenyl-phenylether	<40	ug/Kg				
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	<40	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg				
Dibenz(a,h)Anthracene .	<40	ug/Kg				
Dibenzofuran	<40	ug/Kg				
1,2-Dichlorobenzene	<40	ug/Kg	•			
1,3-Dichlorobenzene	<40	ug/Kg				
1,4-Dichlorobenzene	<40	ug/Kg				
3,3'-Dichlorobenzidine	<40	ug/Kg				
2,4-Dichlorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2.4-Dimethylphenol	<40	ug/Kg				
4.6-Dinitro-2-Methylphenol	<40	ug/Kg				
2,4-Dinitrophenol	<40	ug/Kg				
2,4-Dinitrotoluene	<40	ug/Kg				
2,6-Dinitrotoluene	<40	ug/Kg				
bīs(2-Ethylhexyl)Phthalate	<40	ug/Kg				
Fluoranthene	<49	ug/Kg				
Fluorene -	<40	ug/Kg				
Hexachtorobenzene	<40	ug/Kg				
Hexachlorobutadiehe	. <40	ug/Kg				
Hexachlorocyclopentadiene	<40	ug/Kg				
Hexachloroethane	<40	ug/Kg				
Indeno(1,2,3-cd)Pyrene	-40	ug/Kg				
Isophorone	<40	ug/Kg				
•						

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-05-16.25

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Parameter.						
2-Methylnaphthalene	<40	ug/Kg				_
2-Methylphenol	<40	ug/Kg	12/12/1994	168	486	jeg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg				
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	<40	ug/Kg				
Naphthalene	<40	ug/Kg				
2-Nitroaniline	<40	ug/Kg				
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40	ug/Kg				
Phenanthrene	<40	ug/Kg				
Phenol	<40	ug/Kg				
Pyrene	<40	ug/Kg				
1.2.4-Trichlorobenzene	<40	ug/Kg	•			
2,4,5-Trichlorophenol	<40	ug/Kg				
2,4,6-Trichlorophenol	<40	ug/Kg				

Report Date: 12/19/1994

Project: No. Smithfield RI ANG Station

Report To: Aneptek

NET Job No: 94.04016

Date Rec'd: 12/02/1994

Sample ID: SB-04-09

NET Sample No: 113784 -

Parameter		Method	Result	Units	Analysis   Date	•	Run Batch	Analyst
Metals, Priority P	ollutants S	EPA SW846	12/05/1994		12/05/1994		40	ecw
Solid Dig. SW846,			12/05/1994	date	12/05/1994			gsw
Solid Dig. SW846		•	12/05/1994	date	12/05/1994	3116cs		gsw
Antimony (Sb)	846 ICP S		<5.6	mg/Kg	12/06/1994	3116cs	140	jem
	846 GFAA S		2.6	mg/Kg	12/12/1994	3116cs	57	mut
Beryllium (Be)	846 ICP S		0.23	mg/Kg	12/06/1994		137	jem
Cadmium (Cd)		SW846 ICP, 6010	1.1	mg/Kg	12/06/1994		167	jem
Chromium (Cr)	846 ICP S		4.0	mg/Kg	12/06/1994		170	jem
Copper (Cu)	846 ICP S		7.5	mg/Kg	12/06/1994	3116cs	169	jem
Lead (Pb)	846 ICP S		<7.9	mg/Kg	12/08/1994	3116cs	184	gmp
Mercury (Hg)	846 CVAA S		<0.11	mg/Kg	12/08/1994	3116cs	155	drm
Nickel (Ni)	846 ICP S		5 <b>.0</b>	mg/Kg	12/06/1994	3116cs	148	jem
Selenium (Se)	846 GFAA S		<0.45	mg/Kg	12/12/1994	3116cs	55	mwt
Silver (Ag)	846 ICP S		<0.68	mg/Kg	12/08/1994	3116cs	145	9mp
Thallium (Tl)	846 GFAA S		<0.45	mg/Kg	12/09/1994	3116cs	47	mut
Zinc (Zn)	846 ICP S		21	mg/Kg	12/06/1994	<b>3116cs</b>	158	jem
EX Acid/Base/Neut			12/05/1994	date	12/05/1994	exabn_		hpm

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-04-09

NET Sample No: 113784

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst
TPH (Purgable) 8015 - GRO S

Gasoline Range Organics 4

4100 ug/Kg

12/14/1994

ga

3

gah

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-04-09

: NO. 115101			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						_
Acetone	<30.	ug/Kg	12/09/1994		631	jpt
Benzene	<6.0	ug/Kg				
Bromodichloromethane	<6.0	ug/Kg				
Bromoform	<6.0	ug/Kg				
Bromomethane	<6.0	ug/Kg				
2-Butanone (MEK)	<30.	ug/Kg				
Carbon Disulfide	<6.0	ug/Kg				
Carbon Tetrachloride	<6.0	ug/Kg				
Chtorobenzene	<6.0	ug/Kg				
Chloroethane	<6.0	ug/Kg				
2-Chloroethylvinyl ether	<6.0	ug/Kg				
Chloroform	<6.0	ug/Kg				
Chloromethane	<6.0	ug/Kg				
Dibromochloromethane	<6.0	ug/Kg				
1.2-Dichlorobenzene	<6.0	ug/Kg				
1.3-Dichlorobenzene	<6.0	ug/Kg				
1.4-Dichlorobenzene	<6.0	ug/Kg				
1,1-Dichloroethane	<6.0	ug/Kg				
1.2-Dichloroethane	<6.0	ug/Kg			•	
1.1-Dichloroethene	<6.0	ug/Kg				
1,2-Dichloroethene (total)	<6.0	ug/Kg				
1,2-Dichloropropane	<6.0	ug/Kg				
cis-1,3-Dichloropropene	<6.0	ug/Kg				
trans-1,3-Dichloropropene	<6.0	ug/Kg				
Ethylbenzene	<6.0	ug/Kg				
2-Hexanone	<30.	ug/Kg				
4-Methyl-2-pentanone (MIBK	<30.	ug/Kg				
Methylene Chloride	<6.0	ug/Kg				
Styrene	<6.0	ug/Kg				
1.1.2.2-Tetrachloroethane	<6.0	ug/Kg				
Tetrachloroethene	<6.0	ug/Kg				
Toluene	<6.0	ug/Kg				
1,1,1-Trichloroethane	<6.0	ug/Kg				
1,1,2-Trichloroethane	<6.0	ug/Kg				
Trichtoroethene	<6.0	ug/Kg				
Trichlorofluoromethane -	<6.0	ug/Kg				
Vinyl Acetate	<6.0	ug/Kg				
Vinyl Chloride	<6.0	ug/Kg				
m-Xylene	<6.0	ug/Kg				
o-Xylene	<6.0	ug/Kg				
p-Xylene	<6.0	ug/Kg				
•						

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-04-09

e No: 113784	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Parameter	Result					
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	<200	ug/Kg	12/12/1994	168	406	jcg
Acenaphthylene	<200	ug/Kg				
Anthracene	430	ug/Kg				
Benzidine	<200	ug/Kg				
Benzo(a)Anthracene	2700	ug/Kg				
Benzo(a)Pyrene	2000	ug/Kg				
Benzo(b)Fluoranthene	1900	ug/Kg				
Benzo(g,h,i)Perylene	970	ug/Kg				
Benzo(k)Fluoranthene	2000	ug/Kg				
Benzoic Acid	<200	ug/Kg				
Benzyl Alcohol	<200	ug/Kg				
4-Bromophenyl-phenylether	<200	ug/Kg				
Butylbenzylphthalate	<200	ug/Kg				
4-Chloro-3-Methylphenol	<200	ug/Kg				
4-Chloroaniline	<200	ug/Kg				
bis(2-Chloroethoxy)Methane	<200	ug/Kg				
bis(2-Chloroethyl)Ether	<200	ug/Kg				
bis(2-Chloroisopropyl)Ether	<200	ug/Kg				
2-Chloronaphthalene	<200	ug/Kg				
2-Chlorophenol	<200	ug/Kg				
4-Chlorophenyl-phenylether	<200	ug/Kg				
Chrysene	2900	ug/Kg				
Di-n-Butylphthalate	<200	ug/Kg				
Di-n-Octyl Phthalate	<200	ug/Kg				
Dibenz(a,h)Anthracene	520	ug/Kg				
Dibenzofuran	<200	ug/Kg				
1.2-Dichlorobenzene	<200	ug/Kg				
1.3-Dichlorobenzene	<200	ug/Kg				
1,4-Dichlorobenzene	<200	ug/Kg				
3.3'-Dichlorobenzidine	<200	ug/Kg				
2,4-Dichlorophenol	<200	ug/Kg				
Diethylphthalate	<200	ug/Kg				
Dimethyl Phthalate	<200	ug/Kg				
2.4-Dimethylphenol	<200	ug/Kg				
4.6-Dinitro-2-Methylphenol	<200	ug/Kg				
2,4-Dinitrophenol	<200	ug/Kg				
2.4-Dinitrotoluene	<200	ug/Kg				
2,6-Dinitrotoluene	<200	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<200	ug/Kg				
Fluoranthene	4500	ug/Kg				
Fluorene	<200	ug/Kg				
Rexachlorobenzene	<200	ug/Kg				
Hexachlorobutadiene «		ug/Kg				
Hexachlorocyclopentadiene	<200	ug/Kg				
Hexachloroethane	<200	ug/Kg				
Indono(1,2,3-cd)Pyrene	970	ug/Kg				
Isophorone	<200	ug/Kg				
20 29/10/10/10		3. 3				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-04-09

: NO. 113104			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<200	ug/Kg				_
2-Methylphenol	<200	ug/Kg	12/12/1994	168	406	jcg
4-Methylphenol	<200	ug/Kg				
N-Nitroso-di-n-Propylamine	<200	ug/Kg				
N-Nitrosodimethylamine	<200	ug/Kg				
N-Nitrosodiphenylamine	<200	ug/Kg				
Naphthalene	<200	ug/Kg				
2-Nitroaniline	<200	ug/Kg				
3-Nitroaniline	<200	ug/Kg				
4-Nitroaniline	<200	ug/Kg				
Nitrobenzene	<200	ug/Kg				
2-Nitrophenol	<200	ug/Kg				
4-Nitrophenol	<200	ug/Kg				
Pentachlorophenol	<200	ug/Kg				
Phenanthrene	1500	ug/Kg	•			
Phenol	<200	ug/Kg				
Pyrene	3800	ug/Kg				
1.2.4-Trichlorobenzene	<200	ug/Kg				
2,4,5-Trichlorophenol	<200	ug/Kg				
2,4,6-Trichlorophenol	<200	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94-04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-05-07

NET Sample No: 113785 .

Parameter	Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals, Priority Pollutants S Solid Dig. SW846,3050 S Solid Dig. SW846 GFAA, 3050 S Antimony (Sb) 846 ICP S Arsenic (As) 846 GFAA S Beryllium (Be) 846 ICP S Cadmium (Cd) 846 ICP S Chromium (Cr) 846 ICP S Copper (Cu) 846 ICP S Lead (Pb) 846 ICP S Mercury (Hg) 846 ICP S Nickel (Ni) 846 ICP S Silver (Ag) 846 ICP S Silver (Ag) 846 ICP S Thallium (Tt) 846 GFAA S Zinc (Zn) 846 ICP S EX Acid/Base/Neutrals 8270 S	EPA SW846 SW846,3050 SW846,3050 SW846 ICP, 6010 SW846, 3500	12/05/1994 12/05/1994 12/05/1994 <5.3 0.57 0.26 1.6 9.0 14 <7.4 <0.11 6.9 <0.42 <0.63 <0.42 21 12/05/1994	date date mg/Kg	12/05/1994 12/05/1994 12/05/1994 12/06/1994 12/12/1994 12/06/1994 12/06/1994 12/06/1994 12/08/1994 12/08/1994 12/06/1994 12/08/1994 12/08/1994 12/08/1994 12/08/1994	3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs	140 57 137 167 170 169 184 155 148 55 145 47	ecw gsw jem mwt jem jem jem jem jem jem gmp drm jem gmp drm jem mwt gmp

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-05-07

NET Sample No: 113785

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S
Gasoline Range Organics <2700 ug/Kg 12/14/1994 3 gah

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-05-07

e No: 113783			Analysis		Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<25	ug/Kg	12/08/1994		624	cbe
Benzene	<5.0	ug/Kg				
Bromodichloromethane	<5.0	ug/Kg				
Bromoform	<5.0	ug/Kg				
Bromomethane	<5.0	ug/Kg				
2-Butanone (MEK)	<25	ug/Kg				
Carbon Disulfide	<5.0	ug/Kg				
Carbon Tetrachloride	<5.0	ug/Kg				
Chlorobenzene	<5.0	ug/Kg				
Chloroethane	<5.0	ug/Kg				
2-Chloroethylvinyl ether	<5.0	ug/Kg				
Chloroform	<5.0	ug/Kg				
Chloromethane	<5.0	ug/Kg				
Dibromochloromethane	<5.0	ug/Kg				
1,2-Dichlorobenzene	<5.0	ug/Kg				
1,3-Dichlorobenzene	<5 <b>.0</b>	ug/Kg				
1,4-Dichlorobenzene	<5.0	ug/Kg				
1,1-Dichloroethane	<5.0	ug/Kg				
1,2-Dichloroethane	<5.0	ug/Kg				
1,1-Dichloroethene	<5.0	ug/Kg				,
1,2-Dichloroethene (total)	<5.0	ug/Kg				
1,2-Dichloropropane	<5.0	ug/Kg				
cis-1,3-Dichloropropene	<5.0	ug/Kg				
trans-1,3-Dichloropropene	<5.0	ug/Kg				
Ethylbenzene	<5.0	ug/Kg				
2-Hexanone	<25	ug/Kg		•		
4-Methyl-2-pentanone (MIBK	<25	ug/Kg				
Methylene Chloride	<5.0	ug/Kg				
Styrene	<5.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<5.0	ug/Kg				
Tetrachloroethene	<5.0	ug/Kg				
Toluene	<5.0	ug/Kg				
1,1,1-Trichloroethane	<5.0	ug/Kg				
1,1,2-Trichloroethane	<5.0	ug/Kg				
Trichloroethene	<5.0	ug/Kg				
Trichlorofluoromethane	<5.0	ug/Kg				
Vinyl Acetate	<5.0	ug/Kg				
Vinyl Chloride	<5.0	ug/Kg				
m-Xylene	<5.0	ug/Kg				
o-Xylene	<5.0	ug/Kg				
p-Xylene	<5.0	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-05-07

Parameter	Result	Unīts	Analysis Date	Prep Batch	Run Batch	Analyst
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	<400	ug/Kg	12/12/1994	168	406	jcg
Acenaphthylene	<400	ug/Kg				
Anthracene	<400	ug/Kg				
Benzidine	<400	ug/Kg				
Benzo(a)Anthracene	<400	ug/Kg				
Benzo(a)Pyrene	<400	ug/Kg				
Benzo(b)Fluoranthene	<400	ug/Kg				
Benzo(g,h,i)Perylene	<400	ug/Kg				
Benzo(k)Fluoranthene	<400	ug/Kg				
Benzoic Acid	<400	ug/Kg				
Benzyl Alcohol	<400	ug/Kg				
4-Bromophenyl-phenylether	<400	ug/Kg				
Butylbenzylphthalate	<400	ug/Kg				
4-Chloro-3-Methylphenol	<400	ug/Kg				
4-Chloroaniline	<400	ug/Kg				
bis(2-Chloroethoxy)Methane	<400	ug/Kg				
bis(2-Chloroethyl)Ether	<400	ug/Kg				
bis(2-Chloroisopropyl)Ether	<400	ug/Kg				
2-Chloronaphthalene	<400	ug/Kg				
•	<400	ug/Kg				
2-Chlorophenol	<400	ug/Kg				•
4-Chlorophenyl-phenylether	<400	ug/Kg				
Chrysene	<400	ug/Kg				
Di-n-Butylphthalate Di-n-Octyl Phthalate	<400	ug/Kg				
Dibenz(a,h)Anthracene	<400	ug/Kg				
Dibenzofuran	<400	ug/Kg				
1,2-Dichlorobenzene	<400	ug/Kg				
1,3-Dichlorobenzene	<400	ug/Kg				
1,4-Dichlorobenzene	<400	ug/Kg				
3.3'-Dichtorobenzidine	<400	ug/Kg				
2,4-Dichtorophenol	<400	ug/Kg				
Diethylphthalate	<400	ug/Kg				
Dimethyl Phthalate	<400	ug/Kg				
2,4-Dimethylphenol	<400	ug/Kg				
4,6-Dinitro-2-Methylphenol	<400	ug/Kg				
2,4-Dinitrophenol	<400	ug/Kg				
2,4-Dinitrotoluene	<400	ug/Kg				
2,6-Dinitrotoluene	<400	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<400	ug/Kg				
Fluoranthene	<400	ug/Kg				•
Fluorene	<400	ug/Kg				
Rexachtorobenzene	<400	ug/Kg				
Hexachlorobutadiene	<b>«</b> <460	ug/Kg				
Hexachlorocyclopentadiene	<400	ug/Kg				
Hexachloroethane	<400	ug/Kg				
Indeno(1,2,3-cd)Pyrene	<400	ug/Kg				
Isophorone	<400	ug/Kg				
•						

#### ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Date Rec'd: 12/02/1994

Project: No. Smithfield RI ANG Station

Sample ID: SB-05-07

NET Sample No: 113785

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<400	ug/Kg				
2-Methylphenol	<400	ug/Kg	12/12/1994	168	406	jcg
4-Methylphenol	<400	ug/Kg				
N-Nitroso-di-n-Propylamine	<400	ug/Kg				
N-Nitrosodimethylamine	<400	ug/Kg				
N-Nitrosodiphenylamine	<400	ug/Kg				
Naphthalene	<400	ug/Kg				
2-Nitroaniline	<400	ug/Kg	•			
3-Nitroaniline	<400	ug/Kg				
4-Nîtroanilîne	<400	ug/Kg				
Nitrobenzene	<400	ug/Kg				
2-Nitrophenol	<400	ug/Kg				
4-Nitrophenol	<400	ug/Kg				
Pentachlorophenol	<400	ug/Kg				
Phenanthrene	<400	ug/Kg				
Phenol	<400	ug/Kg				
Pyrene	<400	ug/Kg				
1,2,4-Trichlorobenzene	<400	ug/Kg				
2,4,5-Trichlorophenol	<400	ug/Kg				
2,4,6-Trichlorophenol	<400	ug/Kg				

Sample required dilution because extract was viscous, resulting in an elevated reporting limit for this sample.

Report Date: 12/19/1994

Report To: Aneptek ·

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-06-12

NET Sample No: 113786 -

Parameter	Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals, Priority Pollutants S Solid Dig. SW846,3050 S Solid Dig. SW846,3050 S Antimony (Sb) 846 ICP S Arsenic (As) 846 GFAA S Beryllium (Be) 846 ICP S Cadmium (Cd) 846 ICP S Chromium (Cr) 846 ICP S Copper (Cu) 846 ICP S Lead (Pb) 846 ICP S Mercury (Hg) 846 ICP S Nickel (Ni) 846 ICP S Selenium (Se) 846 GFAA S Silver (Ag) 846 ICP S Thallium (Tl) 846 GFAA S Zinc (Zn) 846 ICP S EX Acid/Base/Neutrals 8270 S	EPA SW846 SW846,3050 SW846,3050 SW846 ICP, 6010	12/05/1994 12/05/1994 12/05/1994 12/05/1994 <5.6 0.69 <0.22 1.6 6.8 6.8 11 <0.11 4.1 0.49 <0.67 <0.45 17 12/05/1994	date date mg/Kg	12/05/1994 12/05/1994 12/05/1994 12/06/1994 12/12/1994 12/06/1994 12/06/1994 12/06/1994 12/08/1994 12/08/1994 12/08/1994 12/08/1994 12/08/1994 12/08/1994	3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs	140 57 137 167 170 169 184 155 148 55 145 47	ecw gsw jem mwt jem jem jem jem jem jem gmp drm jem mwt gmp

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SS-06-12

e No: 113735 - Parameter			Result	Units	Analysis Date	•	Run Batch	Analyst
TPH (Purgable) 8015 - GRO Gasoline Range Organics	S	7	<2800	ug/Kg	12/14/1994		3	gah

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-06-12

e No: 113786			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<30.	ug/Kg	12/09/1994		631	jpt
Benzene	<6.0	ug/Kg				
Bromodichloromethane	<6.0	ug/Kg				
Bromoform	<6.0	ug/Kg				
Bromomethane	<6.0	ug/Kg				
2-Butanone (MEK)	<30.	ug/Kg				
Carbon Disulfide	<6.0	ug/Kg				•
Carbon Tetrachloride	<6.0	ug/Kg				
Chlorobenzene	<6.0	ug/Kg				
Chloroethane	<6.0	ug/Kg				
2-Chloroethylvinyl ether	<6.0	ug/Kg				
Chloroform	<6.0	ug/Kg				
Chloromethane	<6.0	ug/Kg				
Dibromochloromethane	<6.0	ug/Kg				
1.2-Dichlorobenzene	<6.0	ug/Kg				
1.3-Dichlorobenzene	<6.0	ug/Kg				
1.4-Dichlorobenzene	<6.0	ug/Kg				
1.1-Dichloroethane	<6.0	ug/Kg				
1.2-Dichloroethane	<6.0	ug/Kg				
1,1-Dichloroethene	<6.0	ug/Kg				
1,2-Dichloroethene (total)	<6.0	ug/Kg	•			
1,2-Dichloropropane	<6.0	ug/Kg				
cis-1,3-Dichloropropene	<6.0	ug/Kg				
trans-1,3-Dichloropropene	<6.0	ug/Kg				
Ethylbenzene	<6.0	ug/Kg				
2-Hexanone	<30.	ug/Kg				
4-Methyl-2-pentanone (MIBK	<30.	ug/Kg				
Methylene Chloride	<6.0	ug/Kg				
Styrene	<6.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<6.0	ug/Kg				
Tetrachloroethene	<6.0	ug/Kg				
Toluene	<6.0	ug/Kg				
1,1,1-Trichloroethane	<6.0	ug/Kg				
1,1,2-Trichloroethane	<6.0	ug/Kg				
Trichloroethene	<6.0	ug/Kg				
Trichlorofluoromethane	<6.0	ug/Kg				
Vinyl Acetate	<6.0	ug/Kg				
Vinyt Chloride	<6.0	ug/Kg				
m-Xytene	<6.0	ug/Kg				
o-Xylene	<6.0	ug/Kg				
p-Xylene	<6.0	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-06-12

e No: 113786			Analysis	Ргер	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	<40	ug/Kg	12/12/1994	168	406	jcg
Acenaphthylene	<40	ug/Kg				
Anthracene	<40	ug/Kg				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40	ug/Kg				
Benzo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Benzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluoranthene	<40	ug/Kg				
Benzoic Acid	<40	ug/Kg				
Benzyl Alcohol	<40	ug/Kg				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Methylphenol	<40	ug/Kg				
4-Chloroaniline	<40	ug/Kg				
bis(2-Chloroethoxy)Methane	<40	ug/Kg				
bis(2-Chloroethyl)Ether	<40	ug/Kg	•			
bis(2-Chloroisopropyl)Ether	<40	ug/Kg				
2-Chloronaphthalene	<40	ug/Kg				
2-Chlorophenol	<40	ug/Kg				
4-Chlorophenyl-phenylether	<40	ug/Kg		•		
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	<40	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg				
Dibenz(a,h)Anthracene	<40	ug/Kg				
Dibenzofuran	<40	ug/Kg				
1,2-Dichlorobenzene	<40	ug/Kg				
1,3-Dichlorobenzene	<40	ug/Kg				
1.4-Dichlorobenzene	<40	ug/Kg				
3.3'-Dichlorobenzidine	<40	ug/Kg				
2,4-Dichlorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2,4-Dimethylphenol	<40	ug/Kg				
4,6-Dinitro-2-Methylphenol	<40	ug/Kg				
2,4-Dinitrophenol	<40	ug/Kg				
2,4-Dinitrotoluene	<40	ug/Kg				
2,6-Dinitrotoluene	<40	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<40	ug/Kg				
Fluoranthene	<40	ug/Kg				
Fluorene	<40	ug/Kg				
Hexachlorobenzene .	<40	ug/Kg				
Hexachlorobutadiene	<b>*</b> <40	ug/Kg				
Hexachtorocyclopentadiene	<40	ug/Kg				
Hexachtorogthane	<40	ug/Kg				
Indeno(1,2,5-cd)Pyrene	<40	ug/Kg				
Isophorene	<40	ug/Kg				
a diophiotistics	. •	~ Jr · J				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-06-12

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<40	ug/Kg				_
2-Methylphenol	<40	ug/Kg	12/12/1994	168	406	jcg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg				
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	<40	ug/Kg				
Naphthalene	<40	ug/Kg				
2-Nitroaniline	<40	ug/Kg				
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40	ug/Kg				
Phenanthrene	<40	ug/Kg				
Phenol	<40	ug/Kg				
Pyrene	<40	ug/Kg				
1,2,4-Trichlorobenzene	<40	· ug/Kg				
2,4,5-Trichlorophenol	<40	ug/Kg				
2,4,6-Trichlorophenol	<40	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek-

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-06-07

NET Sample No: 113787 -

Metals, Priority Pollutants S EPA SW846 12/05/1994 12/05/1994 3116cs gsw Solid Dig. SW846,3050 S SW846,3050 12/05/1994 date 12/05/1994 3116cs gsw Solid Dig. SW846 GFAA, 3050 S SW846,3050 12/05/1994 date 12/05/1994 3116cs gsw Antimony (Sb) 846 ICP S SW846 ICP, 6010 <5.4 mg/Kg 12/06/1994 3116cs 57 mwt Arsenic (As) 846 GFAA S SW846 furnace, 7000 1.1 mg/Kg 12/12/1994 3116cs 57 mwt Beryllium (Be) 846 ICP S SW846 ICP, 6010 0.27 mg/Kg 12/06/1994 137 jem Cadmium (Cd) 846 ICP S SW846 ICP, 6010 1.0 mg/Kg 12/06/1994 167 jem Chromium (Cr) 846 ICP S SW846 ICP, 6010 11 mg/Kg 12/06/1994 170 jem Copper (Cu) 846 ICP S SW846 ICP, 6010 23 mg/Kg 12/06/1994 3116cs 169 jem Lead (Pb) 846 ICP S SW846 ICP, 6010 17 mg/Kg 12/08/1994 3116cs 184 gmp Mercury (Hg) 846 ICP S SW846 ICP, 6010 5.4 mg/Kg 12/08/1994 3116cs 155 drm Nickel (Ni) 846 ICP S SW846 ICP, 6010 5.4 mg/Kg 12/08/1994 3116cs 55 mwt Selenium (Se) 846 GFAA S SW846 ICP, 6010 0.72 mg/Kg 12/08/1994 3116cs 55 mwt Silver (Ag) 846 ICP S SW846 ICP, 6010 0.72 mg/Kg 12/08/1994 3116cs 145 gmp Silver (Ag) 846 ICP S SW846 ICP, 6010 0.72 mg/Kg 12/08/1994 3116cs 155 drm Selenium (Se) 846 GFAA S SW846 ICP, 6010 0.72 mg/Kg 12/12/1994 3116cs 155 gmp Silver (Ag) 846 ICP S SW846 ICP, 6010 0.66 mg/Kg 12/08/1994 3116cs 145 gmp	Parameter	Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Thallium (TI) 846 GFAA S SW846 furnace, 7000 <0.44 mg/kg 12/09/1994 3110cs 47 marc  Zinc (Zn) 846 ICP S SW846 ICP, 6010 22 mg/kg 12/06/1994 3116cs 158 jem	Metals, Priority Pollutants Solid Dig. SW846,3050 Solid Dig. SW846 GFAA, 3050 Antimony (Sb) 846 ICP Arsenic (As) 846 GFAA Beryllium (Be) 846 ICP Cadmium (Cd) 846 ICP Chromium (Cr) 846 ICP Copper (Cu) 846 ICP Lead (Pb) 846 ICP Mercury (Hg) 846 CVAA Nickel (Ni) 846 ICP Selenium (Se) 846 GFAA Silver (Ag) 846 ICP Thallium (Tl) 846 GFAA	EPA SW846  SW846,3050  SW846,3050  SW846 ICP, 6010  SW846 ICP, 6010	12/05/1994 12/05/1994 12/05/1994 <5.4 1.1 0.27 1.0 11 23 17 <0.11 5.4 0.72 <0.66 <0.44	date date mg/Kg	12/05/1994 12/05/1994 12/05/1994 12/06/1994 12/12/1994 12/06/1994 12/06/1994 12/06/1994 12/08/1994 12/06/1994 12/08/1994 12/08/1994 12/08/1994	3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs 3116cs	140 57 137 167 170 169 184 155 148 55 145	ecw gsw gsw jem mwt jem jem jem jem jem jem gmp drm jem gmp drm gmp

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-06-07

NET Sample No: 113787

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst

ug/Kg

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics <2700

12/14/1994

3 gah

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-06-07

S 40. (13.0.			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<25	ug/Kg	12/08/1994		624	cbe
Benzene	<5.0	ug/Kg				
Bromodichloromethane	<5.0	ug/Kg				
Bromoform	<5.0	ug/Kg				
Bromomethane	<5.0	ug/Kg				
2-Butanone (MEK)	<25	ug/Kg				
Carbon Disulfide	<5.0	ug/Kg				
Carbon Tetrachloride	<5.0	ug/Kg				
Chlorobenzene	<5.0	ug/Kg				
Chloroethane	<5.0	ug/Kg				
2-Chloroethylvinyl ether	<5.0	ug/Kg				
Chloroform	<5.0	ug/Kg				
Chloromethane	<5.0	ug/Kg				
Dibromochloromethane	<5.0	ug/Kg				
1.2-Dichlorobenzene	<5.0	ug/Kg				
1,3-Dichlorobenzene	<5.0	ug/Kg				
1,4-Dichlorobenzene	<5.0	ug/Kg				
1.1-Dichloroethane	<5.0	ug/Kg				
1,2-Dichloroethane	<5.0	ug/Kg				
1,1-Dichloroethene	<5.0	ug/Kg				
1,2-Dichloroethene (total)	<5.0	ug/Kg				
1.2-Dichloropropane	<5.0	ug/Kg				
cis-1,3-Dichloropropene	<5.0	ug/Kg				
trans-1,3-Dichloropropene	<5.0	ug/Kg				
Ethylbenzene	<5.0	ug/Kg				
2-Hexanone	<25	ug/Kg				
4-Methyl-2-pentanone (MIBK	<25	ug/Kg				•
Methylene Chloride	<5.0	ug/Kg				
Styrene	<5.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<5.0	ug/Kg				
Tetrachloroethene	<5.0	ug/Kg			•	
Toluene	<5.0	ug/Kg				
1,1,1-Trichloroethane	<5.0	ug/Kg				
1,1,2-Trichloroethane	<5.0	ug/Kg				
Trichloroethene	<5.0	ug/Kg				
Trichlorofluoromethane	<5.0	ug/Kg				
Vinyl Acetate	<5.0	ug/Kg				
Vinyl Chloride	<5.0	ug/Kg				
m-Xylene	<5.0	ug/Kg				
o-Xylene	<5.0	ug/Kg				
p-Xylene	<5.0	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-06-07

e No: 113787		- د د د د د	Analysis	Prep Batch	Run Batch	Analyst
Parameter	Result	Units	Date			Anatyst
To Asid/Page/Novited 8 9270 S						
TCL Acid/Base/Neutrals 8270 S	<40	ug/Kg	12/12/1994	168	406	jcg
Acenaphthene	<40	ug/Kg	, ,			
Acenaphthylene	<40	ug/Kg				
Anthracene	<40	ug/Kg				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40	ug/Kg				
Benzo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Benzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluoranthene	<40	ug/Kg				
Benzoic Acid	<40	ug/Kg				
Benzyl Alcohol	<40	ug/Kg				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Methylphenol	<40	ug/Kg				
4-Chloroaniline		ug/Kg				
bis(2-Chloroethoxy)Methane	<40					
bis(2-Chloroethyl)Ether	<40	ug/Kg				
bis(2-Chloroisopropyl)Ether	<40	ug/Kg				
2-Chloronaphthalene	<40	ug/Kg				*
2-Chlorophenol	<40	ug/Kg				
4-Chlorophenyl-phenylether	<40	ug/Kg				
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	<40	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg				
Dibenz(a,h)Anthracene	<40	ug/Kg				
Dibenzofuran	<40	ug/Kg				
1,2-Dichlorobenzene	<40	ug/Kg				
1,3-Dichlorobenzene	<40	ug/Kg				
1,4-Dichlorobenzene	<40	ug/Kg				
3,3'-Dichlorobenzidine	<40	ug/Kg				
2,4-Dichlorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2,4-Dimethylphenol	<40	ug/Kg				
4,6-Dinitro-2-Methylphenol	<40	ug/Kg				
2,4-Dinitrophenol	<40	ug/Kg				
2,4-Dinitrotoluene	<40	ug/Kg				
2,6-Dinitrotoluene	<40	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<40	ug/Kg				
Fluoranthene	<40	ug/Kg				
Fluorene	<40	ug/Kg				
Hexachiorobenzene	<40	ug/Kg				
Hexachlorobutadiene	· <40	ug/Kg				
Hexachlorocyclopentadiene	<40	ug/Kg				
Hexachloroethane	<40	ug/Kg				
Indeno(1,2,3-cd)Pyrene	<40	ug/Kg				
Isophorone	<40	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-06-07

•			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<40	ug/Kg				
2-Methylphenol	<40	ug/Kg	12/12/1994	168	406	jcg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg				
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	<40	ug/Kg				
Naphthalene	<40	ug/Kg				
2-Nitroaniline	<40	ug/Kg				
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40 -	ug/Kg	,			
Phenanthrene	<40	ug/Kg				
Phenol	<40	ug/Kg				
Pyrene	<40	ug/Kg				
1,2,4-Trichlorobenzene	<40	ug/Kg				
2,4,5-Trichlorophenol	<40	ug/Kg				
2,4,6-Trichlorophenol	<40	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-08-02.5

NET Sample No: 113788 .

Parameter		Method	Result	Units	Analysis Date		Run Batch	Analyst
			12/05/1994		12/05/1994		40	ecw
Metals, Priority P		EPA SW846		date	12/05/1994			gsw
Solid Dig. SW846,	3050 S	su846,3050	12/05/1994					•
Solid Dig. SW846	GFAA, 3050 S	sw846,3050	12/05/1994	date	12/05/1994			gsw
Antimony (Sb)	846 ICP S	SW846 ICP, 6010	<5.2	mg/Kg	12/06/1994			jemo
Arsenic (As)	846 GFAA S	SW846 furnace, 7000	1.6	mg/Kg	12/12/1994	3116cs	57	met
Beryllium (Be)	846 ICP S	SW846 ICP, 6010	0.29	mg/Kg	12/06/1994		137	jem
•	846 ICP S	SW846 ICP, 6010	1.9	mg/Kg	12/06/1994		167	jem
Cadmium (Cd)	846 ICP S	SW846 ICP, 6010	9.7	mg/Kg	12/06/1994		170	jem
Chromium (Cr)	846 ICP S	SW846 ICP, 6010	17	mg/Kg	12/06/1994	3116cs	169	jem
Copper (Cu)	846 ICP S	SW846 ICP. 6010	18	mg/Kg	12/08/1994	3116cs	184	gmp
Lead (Pb)	846 CVAA S	SW846 cold vapor, 7471	<0.10	mg/Kg	12/08/1994	3116cs	155	drm
Mercury (Hg) Nickel (Ni)	846 ICP S	SW846 ICP, 6010	8.7	mg/Kg	12/06/1994	3116cs	148	jem
Selenium (Se)	846 GFAA S	SW846 furnace, 7000	<0.42	mg/Kg	12/12/1994	3116cs	55	mwt
Silver (Ag)	846 ICP S	SW846 ICP. 6010	<0.63	mg/Kg	12/08/1994	3116cs	145	gmp
Thallium (Tl)	846 GFAA S	SW846 furnace, 7000	<0.42	mg/Kg	12/09/1994	3116cs	47	mwt
Zinc (Zn)	846 ICP S	SW846 ICP, 6010	30	mg/Kg	12/06/1994	3116cs	158	jem
EX Acid/Base/Neu		sw-846, 3500	12/05/1994	date	12/05/1994	exabn_	•	hpm

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-08-02.5

MET Sample No: 113788

Parameter

Analysis Prep Run Date Batch Batch Analyst Units Result TPH (Purgable) 8015 - GRO S 3 gah 12/14/1994 ug/Kg <2600 Gasoline Range Organics

#### ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-08-02.5

NET Sample No: 113788

S NOT 112122			Analysis		Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	26	ug/Kg	12/09/1994		629	jpt
Benzene	<5.0	ug/Kg				
Bromodichloromethane	<5.0	ug/Kg				
Bromoform	<5.0	ug/Kg				
Bromomethane	<5.0	ug/Kg				
2-Butanone (MEK)	<25	ug/Kg				
Carbon Disulfide	<5.0	ug/Kg				
Carbon Tetrachloride	<5.0	ug/Kg				
Chlorobenzene	<5.0	ug/Kg				
Chloroethane	<5.0	ug/Kg				
2-Chloroethylvinyl ether	<5.0	ug/Kg				
Chloroform	<5.0	ug/Kg				
Chloromethane	<5.0	ug/Kg				
Dibromochloromethane	<5 <b>.0</b>	ug/Kg				
1,2-Dichlorobenzene	<5.0	ug/Kg				
1,3-Dichlorobenzene	<5.0	ug/Kg				
1,4-Dichlorobenzene	<5.0	ug/Kg				
1,1-Dichtoroethane	<5.0	ug/Kg				
1,2-Dichloroethane	<5.0	ug/Kg				
1,1-Dichloroethene	<5.0	ug/Kg				
1,2-Dichloroethene (total)	<5.0	ug/Kg				
1,2-Dichloropropane	<5.0	ug/Kg				
cis-1,3-Dichloropropene	<5.0	ug/Kg				
trans-1,3-Dichloropropene	<5.0	ug/Kg				
Ethylbenzene	<5.0	ug/Kg				
2-Hexanone	<25	ug/Kg				
4-Methyl-2-pentanone (MIBK	<25	ug/Kg				
Methylene Chloride	<5.0	ug/Kg				
Styrene	<5.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<5.0	ug/Kg				
Tetrachloroethene	<5.0	ug/Kg				
Toluene	8	ug/Kg				
1,1,1-Trichloroethane	<5.0	ug/Kg				
1,1,2-Trichloroethane	<5.0	ug/Kg				
Trichloroethene	<5.0	ug/Kg				
Trichlorofluoromethane	<5.0	ug/Kg				
Vinyl Acetate	<5.0	ug/Kg				
Vinyl Chloride	<5.0	ug/Kg				
m-Xylene	<5.0	ug/Kg				
o-Xylene	<5.0	ug/Kg				
p-Xylene	<5.0	ug/Kg				

This sample exhibited poor internal standard recovery due to matrix interference: interference confirmed by re-analysis.

#### ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: S9-08-02.5

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	<400	ug/Kg	12/12/1994	168	406	jcg
Acenaphthylene	<400	ug/Kg				
Anthracene	<400	ug/Kg				
Benzidine	<400	ug/Kg				
Benzo(a)Anthracene	<400	ug/Kg				
Benzo(a)Pyrene	<400	ug/Kg				
Benzo(b)Fluoranthene	<400	ug/Kg				
Benzo(g,h,i)Perylene	<400	ug/Kg				
Benzo(k)Fluoranthene	<400	ug/Kg				
Benzoic Acid	<400	ug/Kg				
Benzyl Alcohol	<400	ug/Kg				
4-Bromophenyl-phenylether	<400	ug/Kg				
Butylbenzylphthalate	<400	ug/Kg				
4-Chloro-3-Methylphenol	<400	ug/Kg				
4-Chloroaniline	<400	ug/Kg				
bis(2-Chloroethoxy)Methane	<400	ug/Kg				
bis(2-Chloroethyl)Ether	<400	ug/Kg				
bis(2-Chloroisopropyl)Ether	<400	ug/Kg				
2-Chloronaphthalene	<400	ug/Kg				
2-Chlorophenol	<400	ug/Kg				•
4-Chlorophenyl-phenylether	<400	ug/Kg				
Chrysene	<400	ug/Kg				
Di-n-Butylphthalate	<400	ug/Kg	•			
Di-n-Octyl Phthalate	<400	ug/Kg				
Dibenz(a,h)Anthracene	<400	ug/Kg				
	<400	ug/Kg				
Dibenzofuran	<400	ug/Kg				
1,2-Dichlorobenzene	<400	ug/Kg				
1,3-Dichlorobenzene	<400	ug/Kg				
1,4-Dichlorobenzene	<400	ug/Kg				
3,3'-Dichlorobenzidine	<400	ug/Kg				
2,4-Dichlorophenol	<400	ug/Kg				
Diethylphthalate	<400	ug/Kg				
Dimethyl Phthalate	<400	ug/Kg				
2,4-Dîmethylphenol	<400	ug/Kg				
4,6-Dinitro-2-Methylphenol	<400	ug/Kg				
2,4-Dinitrophenol	<460	ug/Kg				
2,4-Dinitrotoluene	<400	ug/Kg				
2,6-Dinitrotoluene	350	ug/Kg				
bis(2-Ethylhexyl)Phthalate	390	ug/Kg				
Fluoranthene	<400	ug/Kg				
Fluorene .	<400	ug/Kg ug/Kg				
Hexachlorobenzene	(400	ug/Kg ug/Kg				
Hexachlorobutadiene	<400	_				
Hexachlorocyclopentadiene	<400	ug/Kg				
Hexachloroethane	<400	ug/Kg				
Indeno(1,2,3-cd)Pyrene Isophorone	<400 <400	ug/Kg ug/Kg				

#### ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SE-08-02.5

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<400	ug/Kg				_
2-Methylphenol	<400	ug/Kg	12/12/1994	168	406	jcg
4-Methylphenol	<400	ug/Kg				
N-Nitroso-di-n-Propylamine	<400	ug/Kg	*			
N-Nitrosodimethylamine	<400	ug/Kg				
N-Nitrosodiphenylamine	<400	ug/Kg				
Naphthalene	<400	ug/Kg				
2-Nitroaniline	<400	ug/Kg				
3-Nitroaniline	<400	ug/Kg				
4-Nitroaniline	<400	ug/Kg				
Nitrobenzene	<400	ug/Kg	•			
2-Nitrophenol	<400	ug/Kg				
4-Nitrophenol	<400	ug/Kg				
Pentachlorophenol	<400	ug/Kg				
Phenanthrene	<400	ug/Kg				
Phenol	<400	ug/Kg				
Pyrene	390	ug/Kg				
1,2,4-Trichlorobenzene	<400	ug/Kg				
2,4,5-Trichlorophenol	<400	ug/Kg				
2,4,6-Trichtorophenol	<400	ug/Kg				

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-08-07.5

NET Sample No: 113789 .

<2900

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Gasoline Range Organics

Date Rec'd: 12/02/1994

Sample ID: SB-03-07.5

NET Sample No: 113789

Parameter

Analysis Prep Date Batch Batch Analyst Result Units TPH (Purgable) 8015 - GRO S gah 3 12/14/1994

ug/Kg

Sample has heavy petroleum products present, not included in gasoline range of hydrocarbons.

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-08-07.5

e No: 113789	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Parameter						
TCL Volatiles by GC/MS 8240 S					/20	int
Acetone	<30.	ug/Kg	12/09/1994		629	jpt
Benzene	<6.0	ug/Kg				
Bromodichloromethane	<6.0	ug/Kg				
Bromoform	<6.0	ug/Kg				
Bromomethane	<6.0	ug/Kg				
2-Butanone (MEK)	<30.	ug/Kg				
Carbon Disulfide	<6.0	ug/Kg				
Carbon Tetrachloride	<6.0	ug/Kg				
Chlorobenzene	<6.0	ug/Kg				
Chloroethane	<6.0	ug/Kg				
2-Chloroethylvinyl ether	<6.0	ug/Kg				
Chloroform	<6.0	ug/Kg				
Chloromethane	<6.0	ug/Kg				
Dibromochloromethane	<6.0	ug/Kg				
1,2-Dichlorobenzene	<6.0	ug/Kg				
1.3-Dichlorobenzene	<6.0	ug/Kg				
1.4-Dichlorobenzene	<6.0	ug/Kg				
1.1-Dichloroethane	<6.0	ug/Kg				
1.2-Dichloroethane	<6.0	ug/Kg				
1.1-Dichloroethene	<6.0	ug/Kg				
1,2-Dichloroethene (total)	<6.0	ug/Kg				
1.2-Dichloropropane	<6.0	ug/Kg				
cis-1,3-Dichloropropene	<6.0	ug/Kg				
trans-1,3-Dichloropropene	<6.0	ug/Kg	•			
Ethylbenzene	<6.0	ug/Kg				
2-Hexanone	<30.	ug/Kg				
4-Methyl-2-pentanone (MIBK	<30.	ug/Kg				
Methylene Chloride	<6.0	ug/Kg				
Styrene	<6.0	ug/Kg				
1.1.2.2-Tetrachloroethane	<6.0	ug/Kg				
Tetrachloroethene	<6.0	ug/Kg				
Toluene	<6.0	ug/Kg				
1,1,1-Trichloroethane	<6.0	ug/Kg				
1.1.2-Trichloroethane	<6.0	ug/Kg				
Trichloroethene	<6.0	ug/Kg				
Trichlorofluoromethane	<6.0	ug/Kg				
Vinyl Acetate	<6.0	ug/Kg				
•	<6.0	ug/Kg				
Vinyl Chloride	<6.0	ug/Kg				
m-Xylene	<6.0	ug/Kg				
o-Xylene	<6.0	ug/Kg				
p-Xylene	.0.0	-5, -5				

#### ANALYTICAL REPORT

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: S8-08-07.5

NET Sample No: 113789

• ****			· Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<400	ug/Kg				
2-Methylphenol	<400	ug/Kg	12/12/1994	168	406	jcg
4-Methylphenol	<400	ug/Kg				
N-Nitroso-di-n-Propylamine	<400	ug/Kg				
N-Nitrosodimethylamine	<400	ug/Kg				
N-Nitrosodiphenylamine	<400	ug/Kg				
Naphthalene	<400	ug/Kg				
2-Nitroaniline	<400	ug/Kg				
3-Nitroaniline	<400	ug/Kg				
4-Nitroaniline	<400	ug/Kg				
Nitrobenzene	<400	ug/Kg				
2-Nitrophenol	<400	ug/Kg				
4-Nitrophenol	<400	ug/Kg				
Pentachlorophenol	<400	ug/Kg				
Phenanthrene	<400	ug/Kg				
Phenol	<400	ug/Kg				
Pyrene	<400	ug/Kg				
1,2,4-Trichlorobenzene	<400	ug/Kg				
2,4,5-Trichlorophenol	<400	ug/Kg				
2,4,6-Trichlorophenol	<400	ug/Kg				

Sample required dilution because extract was viscous, resulting in an elevated reporting limit for this sample.

Report Date: 12/19/1994

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/02/1994

Sample ID: SB-08-07.5

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<400	ug/Kg				
2-Methylphenol	<400	ug/Kg	12/12/1994	168	406	jcg
4-Methylphenol	<400	ug/Kg				
N-Nitroso-di-n-Propylamine	<400	ug/Kg				
N-Nitrosodimethylamine	<400	ug/Kg				
N-Nitrosodiphenylamine	<400	ug/Kg				
Naphthalene	<400	ug/Kg				
2-Nitroaniline	<400	ug/Kg				
3-Nitroaniline	<400	ug/Kg				
4-Nitroaniline	<400	ug/Kg				
Nitrobenzene	<400	ug/Kg				
2-Nitrophenol	<400	ug/Kg				
4-Nitrophenol	<400	ug/Kg				
Pentachlorophenol	<400	ug/Kg				
Phenanthrene	<400	ug/Kg				
Phenol	<400	ug/Kg				
Pyrene ·	<400	ug/Kg				
1,2,4-Trichlorobenzene	<400	ug/Kg				
2.4.5-Trichlorophenol	<400	ug/Kg				
2,4,6-Trichlorophenol	<400	ug/Kg				

#### QC SUMMARY FOR INORGANICS REPORT: DUPLICATES

NET-CAMBRIDGE DIVISION

12/13/94 Date of report:

3116CS Work ID:

SDG/ Batch: 9403860,4016,3925

Page:

3860-113440(Solid) Duplicate:

		Sample	Duplicate	%RPD
01	. 3 2 3	0.2	ວລ	

% solids:	Sample 83	Duplicat 83	e 	%RPD	 		
Element							
Ag I	< 0.72	< 0.72	mg/Kg	!			
Al I	720	880	mg/Kg	201			
As	< 0.48	< 0.48	-				
Ba	3.0	3.5		15			
Be I	< 0.24	< 0.24	mg/Kg	}			
• +				+			
Ca l	320	370	mg/Kg	14			
ca I	< 0.72	< 0.72	mg/Kg				
Co 1	< 0.72	< 0.72	mg/Kg				•
Cr	2.5	3.2	mg/Kg	25  xx			
Cu l	1.3	1.4	mg/Kg	71			
+				+			
Fe l	2,600	3,200	mg/Kg	40 🗶			
Hg I	< 0.12	< 0.12	mg/Kg				
K	130	150	mg/Kg	141			
Mg	340	400	mg/Kg	16			
Mn	17	22	mg/Kg	2617		,	
+			•	+			
Na	32	41	mg/Kg	25 ≭ ≯			
Ni I	< 3.6	< 3.6		!			
Pb I	८ ४ ५	< ४- प	mg/Kg	į.			
Sb I	< 6.0	< 6.0		;			
Se i	< 0.48	< 0.48	mg/Kg				
+			/TT	+		*	
Tl i	< 0.48	< 0.48	mg/Kg	241			
V I	4.6	6.5		34 l⊁ ≠ 6 l			
Zn i	5.0	5.3	mg/Kg	01	-	•	

<sup>\*</sup> Possible sample nonhanageneity indicated.

Sample and/or duplicate values 55x the DL. No control limits apply.

### QC SUMMARY FOR INORGANICS REPORT: PRE-DIGESTION SPIKES

NET-CAMBRIDGE DIVISION

Date of report:

12/13/94

Work ID: 3116CS SDG/ Batch: 9403860

Page:

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Spike:	3860-113440 (Solid)									
	Sample	Sp	ike Added	%Recover						
Element Ag   Al   As	<0.0030 mg 3.0 mg < 0.0020 mg	g/L 13 g/L 0	.035 0.04	1 00 l	*					
Ba   Be	0.013 mg									
Ca   Cd   Co   Cr   Cu	1.3 mo < 0.0030 mo < 0.0030 mo 0.011 mo 0.0055 mo	g/L 0 g/L 0 g/L 0	.046 0.05 .46 0.50 .19 0.20	60 92 1 00 92 1 00 90 1	*					
Fe   Hg   K   Mg   Mn	10.7 mo <0.00020 mo 0.53 mo 1.4 mo 0.072 mo	g/L 51 g/L 11	.0011 0.00 50	010 110 1 101 1 94 1	** **					
Na   Ni   Pb   Sb   Se	0.14 m < 0.015 m < 0.035 m < 0.025 m < 0.0020 m	g/L 0 g/L 0 g/L 0	.47 0.50 .49 0.50 .41 0.50 .0081 0.01	00 94   00 98   00 82	<del>                                    </del>					
Tl   V   Zn		g/L 0	.046 0.05 .49 0.50 .46 0.50	00 94	     					

<sup>\*</sup> Post aigeshor spike reported.

NET-CAMBRIDGE DIVISION

Date of report: 12/13/94

Work ID: 3116CS SDG/ Batch: 9403860

Page: 3

3116CS Blank: Found, mg/L Element 0.00 Āς < 0.020 Al1 < 0.0020 As < 0.0040 Ba < 0.0010 Вe < 0.020 Ca < 0.0030 Cd < 0.0030 Co < 0.0060  $\mathtt{Cr}$ < 0.0030 Cu 0.022 Fe < 0.00020 Hg < 0.40 K < 0.020 Mg < 0.0020 Mn < 0.10 Na Ni < 0.015 < 0.035 Pb < 0.025 Sb < 0.0020 Se Tl < 0.0020 < 0.0050 V < 0.0050 Zn

All blank values are within acceptable linits.

#### QC SUMMARY FOR INORGANICS REPORT: LAB CONTROL STANDARDS

NET-CAMBRIDGE DIVISION

Date of report: 12/13/94

Work ID: 3116CS SDG/ Batch: 9403860

Page:

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standard:	True	LCSHCL 3 Found	116CS (	Solid) % R		True	LCSHG 3	B116CS ( Units	Solid) % k
Element									
Ag I	1.5	0.52	mg/L	52	j.				ı
Al I	1.0	0.99	mg/L	99	j				ı
As	1.0	1.0	mg/L	100	]				J
Ba	1.00	0.96	mg/L	96	ł				l l
Be I	0.20	0.198	mg/L	99	I				ţ
+	0.72		-		+				+
Ca I	5.0	4.8	mg/L	96	I				ļ
cd I	1.00	0.95	mg/L	95	1				1
Co I	1.00	0.98	mg/L	98	ļ				ì
Cr	1.00	0.98	mg/L	98	i				I
Cu	1.00	0.99	mg/L	99	j				1
+			-		+				+
Fe !	1.0	1.0	mg/L	100	į				1
Hg l			_		1	0.0040	0.004	4 mg/L	110 l
K	10	9.3	mg/L	93	1				1
Mg	1.0	0.94	mg/L	94	İ				l
Mn I	1.00	0.98	mg/L	98	1				J
+			_		+				+
Na 1	5.0	4.8	mg/L	96	j				]
Ni	1.0	0.97	mg/L	97	l		,	•	
Pb I	1.0	0.94	mg/L	94	į				Į
Sb I	1.0	0.97	mg/L	97	j				Į.
Se I	1.0	1.0	mg/L	100					1
+				_ =	+				+
Tl I	1.0	0.95	mg/L	95	į				ļ
V I	1.00	0.92	mg/L	92	i				j
Zn l	1.00	0.94	mg/L	94	I				1

Silver LCS recovery is low method requires no corrective action

## QC SUMMARY FOR INORGANICS REPORT: LAB CONTROL STANDARDS

NET-CAMBRIDGE DIVISION

Date of report:

12/13/94

Work ID: 3116CS SDG/ Batch: 9403860

Page:

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	. •			======	======	
	Standard:	True	LCSHNO3 Found	3116CS Units	(Solid) % R	
	Element Ag   Al   As   Ba   Be	0.020	0.019	mg/L	95	 
	Ca   Cd   Co   Cr   Cu					] 
	Fe l Hg l K l Mg l Mn l				·	 
- -	Na   Ni   Pb   Sb   Se	0.020			105 100	
	Tl   V   Zn	0.050		mg/L	106	+

#### QUALITY CONTROL DATA

Client: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Report Date: 12/19/1994

Surrogate Standard Percent Recovery

Abbreviated Surrogate Standard Names:

SS1 SS2 SS3 SS4 SS5 SS6 SS7 SS8 SS9 SS10 SS11 SS12

Trifluo Bromoft 1,2-Dic Toluene 2-Fluor Phenol- 2,4,6-T 2-Fluor Nitrobe p-Terph

					Perce	nt Reco	very						
Sample ID	NET ID Matrix	SS1	ss2	ss3	SS4	SS5	SS6	ss7	SS8	SS9	SS10	SS11	SS12
SB-07-02.5	113781 SOIL	91	85	99	108	104	115	88	134	100	136		
SB-04-02	113782 SOIL	79	93	103	98	66	77	92	86	78	89		
SB-05-16.25	113783 SOIL	83	94	97	100	78	86	87	90	89	95		
SB-04-09	113784 SOIL	117	106	98	95	106	115	102	127	110	136		
SB-05-07	113785 SOIL	101	87	94	91	100	112	88	126	102	134		
SB-06-12	113786 SOIL	90	98	96	104	78	86	89	89	89	97		
SB-06-07	113787 SOIL	95	82	88	100	71	79	86	84	81	86		
SB-08-02.5	113788 SOIL	99	80	109	105	101	109	85	128	106	138		
SB-08-07.5	113789 SOIL	107	90	103	89	99	109	81	120	100	132		

Notes:

NR - This surrogate standard is Not Required. Other versions of this test method may use this surrogate standard.

Dil - This surrogate standard was diluted to below detectable levels due to concentrations of analytes in this sample.

Complete Surrogate Standard Names Listed by Analysis:

Pesticide Surrogate Standards:

Decachl = Decachlorobiphenyl Dibutyl = Dibutylchlorendate

Tetrach = Tetrachloro-m-xylene

Volatile Surrogate Standards:

Bromofl = Bromofluorobenzene 1,2-Dichl = 1,2-Dichloroethane-d4 Toluene = Toluene-d8

Drinking Water Method 524 1,2-Dichl = 1,2-Dichlorobenzene-d4

Semivolatlile Surrogate Standards:

2-Fluor (1st) = 2-Fluorobiphenyl

2-Fluor (2nd) = 2-Fluorophenol Nitrobe = Nitrobenzene-d5

2,4,6-T = 2,4,6-Tribromophenol

p-Terph = p-Terphenyl

Herbicides Surrogate Standard:

2.4-Dic = 2,4-Dichlorophenyl acetic acid

Petroleum Hydrocurban Fingerprint Surrogate Standard:

2-Fluor = 2-Fluorobiphenyl

para-Te = para-Terphynyl

Phenol - = Phenol-d6

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Report Date: 12/19/1994

Method Blank Analysis Data

	method btai	IK AIRCEYSIS DO	, ca			
			Prep Run	Run	Analyst	
Test Name	Result	Units	Batch Batch	Date	Initials	
TCL Volatiles by GC/MS 8240 S						
Bromofluorobenzene	93	% recov.	631	12/09/1994	jpt	
1,2-Dichloroethane-d4	90	% recov.	631	12/09/1994	ĵpt	
Toluene-d8	104	% recov.	631	12/09/1994	jpt	
Acetone	<25	ug/Kg	631	12/09/1994	jpt	
Benzene	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
Rromodichloromethane	<5	ug/Kg	631	12/09/1994	jpt	
Bromoform	<5	ug/Kg	631	12/09/1994	jpt	
3romomethane	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
-Butanone (MEK)	<25	ug/Kg	631	12/09/1994	ĵpt	
Carbon Disulfide	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
Carbon Tetrachloride	<5	ug/Kg	631	12/09/1994	jpt	
Chlorobenzene	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
Chloroethane	<b>&lt;</b> 5	ug/Kg	6 <b>31</b>	12/09/1994	jpt	
2-Chloroethylvinyl ether	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	ĵpt	
Chloroform	< <b>5</b>	ug/Kg	631	12/09/1994	jpt	
Chloromethane	<5	ug/Kg	631	12/09/1994	jpt	
Dibromochloromethane	<5	ug/Kg	631 <sup>-</sup>	12/09/1994	jpt	
1.2-Dichlorobenzene	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
.3-Dichlorobenzene	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
1,4-Dichlorobenzene	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
1,1-Dichloroethane	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
1.2-Dichloroethane	<5	ug/Kg	631	12/09/1994	jpt	
,1-Dichloroethene	<5	ug/Kg	631	12/09/1994	ĵpt	
,2-Dichloroethene (total)	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
1,2-Dichloropropane	<5	ug/Kg	631	12/09/1994	jpt	
cis-1,3-Dichloropropene	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
trans-1,3-Dichloropropene	<5	ug/Kg	631	12/09/1994	jpt	
Ethylbenzene	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
2-Hexanone	<25	ug/Kg	631	12/09/1994	jpt	
Methylene Chloride	1	ug/Kg	631	12/09/1994	jpt	
4-Methyl-2-pentanone (MIBK	<25	ug/Kg	631	12/09/1994	ĵpt	
Styrene	<5	ug/Kg	631	12/09/1994	jpt	
1,1,2,2-Tetrachloroethane	<5	ug/Kg	631	12/09/1994	jpt	
Tetrachloroethene	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
Toluene	<5	ug/Kg	631	12/09/1994	jpt	
1.1.1-Trichloroethane	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
1,1,2-Trichloroethane	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	ĵpt	
Trichloroethene	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
Trichlorofluoromethane	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
Vinyl Acetate	<b>&lt;</b> 5	ug/Kg	631	12/09/1994	jpt	
Vinyl Chloride	<5	ug/L	631	12/09/1994	jpt	
m-Xylene	<5	ug/Kg	631	12/09/1994	jpt	
o-Xylene	<5	ug/L	631	12/09/1994	jpt	
p-Xylene	<5	ug/Kg	631	12/09/1994	jpt	
L					•	

Report To: Aneptek

NET Job No: 94.04016

Report Date: 12/19/1994

Project: No. Smithfield RI ANG Station

Method Blank Analysis Data

	method blai	nk Analysis Da				
			Prep	Run	Run	Analyst
Test Name	Result	Units	Batch	Batch	Date	Initials 
TCL Acid/Sase/Neutrals 8270 S						_
2-Fluorophenol -	85	% recov.	168	405	12/08/1994	jcg
Phenol-d5	88	% recov.	168	405	12/08/1994	jcg
2,4,6-Tribromophenol	92	% recov.	168	405	12/08/1994	jcg
2-Fluorobiphenyl	99	% recov.	168	405	12/08/1994	jcg
Nitrobenzene-d15	95	% recov.	168	405	12/08/1994	jcg
p-Terphenyl-d14	98	% recov.	168	405	12/08/1994	jcg
Acenaphthene	<40	ug/Kg	168	405	12/08/1994	jcg
Acenaphthylene	<40	ug/Kg	168	405	12/08/1994	jcg
Anthracene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzidine	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(a)Anthracene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(a)Pyrene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(b)Fluoranthene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(g,h,i)Perylene	<40	ug/Kg	168	405	12/08/1994	jcg
Benzo(k)Fluoranthene	<40	· ug/Kg	168	405	12/08/1994	jcg
Benzyl Alcohol	<40	ug/Kg	168	405	12/08/1994	jcg
4-Bromophenyl-phenylether	<40	ug/Kg	168	405	12/08/1994	jcg
Butylbenzylphthalate	<40	ug/Kg	168	405	12/08/1994	jcg
bis(2-Chloroethoxy)Methane	<40	ug/Kg	168	405	12/08/1994	jcg
bis(2-Chloroethyl)Ether	<40	ug/Kg	168	405	12/08/1994	jcg
bis(2-Chloroisopropyl)Ether	<40	ug/Kg	168	405	12/08/1994	jcg
2-Chloronaphthalene	<40	ug/Kg	168	405	12/08/1994	jcg
2-Chlorophenol	<40	ug/Kg	168	405	12/08/1994	jcg
4-Chlorophenyl-phenylether	<40	ug/Kg	168	405	12/08/1994	jcg
Di-n-Butylphthalate	<40	ug/Kg	168	405	12/08/1994	jcg
1,2-Dichlorobenzene	<40	ug/Kg	168	405	12/08/1994	jcg
1,3-Dichlorobenzene	<40	ug/Kg	168	405	12/08/1994	jcg
1,4-Dichlorobenzene	<40	ug/Kg	168	405	12/08/1994	jcg
3,3'-Dichlorobenzidine	<40	ug/Kg	168	405	12/08/1994	ĵcg
2,4-Dimethylphenol	<40	ug/Kg	168	405	12/08/1994	jcg
Dimethyl Phthalate	<40	ug/Kg	168	405	12/08/1994	jcg
2,4-Dinitrophenol	<40	ug/Kg	168	405	12/08/1994	jcg
•	<40	ug/Kg	168	405	12/08/1994	jcg
2,4-Dinitrotoluene Fluoranthene	<40	ug/Kg	168	405	12/08/1994	jcg
	<40	ug/Kg	168	405	12/08/1994	jcg
Fluorene Hexachlorobenzene	<40	ug/Kg	168	405	12/08/1994	jcg
	<40	ug/Kg	168	405	12/08/1994	jcg
Hexachlorobutadiene	<40	ug/Kg	168	405	12/08/1994	jcg
Hexachlorocyclopentadiene	<40	ug/Kg	168	405	12/08/1994	jcg
N-Nitrosodimethylamine	<40	ug/Kg	168	405	12/08/1994	jcg
4-Methylphenol	<40	ug/Kg	168	405	12/08/1994	jcg
4-Nitroaniline	<40	ug/Kg	168	405	12/08/1994	jeg
Nitrobenzene	<40 <40	ug/Kg	168	405	12/08/1994	jeg
2-Nitrophenol	<40	ug/Kg ·	168	405	12/08/1994	jeg
Phenanthrene 2,4,5-Trichlorophenol	<40	ug/Kg ug/Kg	168	405	12/08/1994	jeg

#### GRO MS/MSD

Lab Name: CAMBRG

Contract: Aneptek

Lab Code: CAMBRG

Case No: 94.04016 SDG No.:

Matrix Spike - EPA Sample No.: 113781

Matrix: SOIL

CONCENTRATION UNITS: ng/kg \_\_\_\_

Compound	Spike Added	Sample Concentration	MS Concentration	MS % Rec.	QC LIMITS REC.
aaa-TFT (surr)	50	N/A	35.8	72	60 - 120
GRO	27150	5400	17865	46*	60 - 120

		1		MSD		QC LIMITS		
Compound	Spike Added	MSD Concentration	% REC.	RPD	RPD	% RECOV.		
aaa-TFT (surr)	50	51.4	103	0.4	20	60 - 120		
GRO	27150	20363	55	18.2	20	60 - 120		

RPD:	1	out	of	2	outside	limits.
101				_		

Spike Recovery: 1 out of 4 outside limits.

Comments:

Comments:

#### GRO LCS

LCS ID GRO1212S

ANALYSIS DATE 12/15/94

EXT. DATE 12/12/94

SEQUENCE G:941213

MATRIX SOIL

ANALYST UMP

CLIENT ANEPTEK

JOB # 94.04016

#### UNITS ng/mL

COMPOUND	CONCENTRATION SPIKED	CONCENTRATION RECOVERED	% RECOVERY	QC LIMITS
aaa-TFT (surr)	50	59.83	120	60-120
GRO	500	459.97	92	60-120

NET, Inc., Cambridge Division

\_0\_ out of 2 outside of limits.

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Report Date: 12/19/1994

#### Matrix Spike/Matrix Spike Duplicate Results

	Spike Amount	Sample Result	Units	MS Result	MS % Recovery	MSD Result	MSD % Recovery	RPD
Compound	Amount							
TCL Volatiles by GC/MS 8240	S							
Benzene	50	<6.0	ug/Kg	54.4	108.8	55.2	110.4	1.5
Bromodichloromethane	0.0	<6.0	ug/Kg					
Bromoform	0.0	<6.0	ug/Kg					
Bromomethane	0.0	<6.0	ug/Kg					
Carbon Disulfide	0.0	<6.0	ug/Kg					
Carbon Tetrachloride	0.0	<6.0	ug/Kg					
Chlorobenzene	50	<6.0	ug/Kg	52.5	105.0	55.8	111.6	6.1
Chloroethane	0.0	<6.0	ug/Kg	•				
2-Chloroethylvinyl ether	0.0	<6.0	ug/Kg					
Chloroform	0.0	<6.0	ug/Kg					
Chloromethane	0.0	<6.0	ug/Kg					
Dibromochloromethane	0.0	<6.0	ug/Kg					
1.2-Dichlorobenzene	0.0	<6.0	ug/Kg					
1,3-Dichlorobenzene	0.0	<6.0	ug/Kg					
1,4-Dichlorobenzene	0.0	<6.0	ug/Kg					
1.1-Dichloroethane	0.0	<6.0	ug/Kg					
1,2-Dichloroethane	0.0	<6.0	ug/Kg					
1,1-Dichloroethene	50	<6.0	ug/Kg	58.5	117.0	53.5	107.0	8.9
1,2-Dichloropropane	0.0	<6.0	ug/Kg					
cis-1,3-Dichloropropene	0.0	·<6.0	ug/Kg	`				
trans-1,3-Dichloropropene	0.0	<6.0	ug/Kg					
Ethylbenzene	0.0	<6.0	ug/Kg					
Methylene Chloride	0.0	<6.0	ug/Kg					
Styrene	0.0	<6.0	ug/Kg					
1,1,2,2-Tetrachloroethane	0.0	<6.0	ug/Kg					
Tetrachloroethene	0.0	<6.0	ug/Kg					
Toluene	50	<6.0	ug/Kg	57.5	115.0	59.8	119.6	3.9
1,1,1-Trichloroethane	0.0	<6.0	ug/Kg					
1,1,2-Trichloroethane	0.0	<6.0	ug/Kg				***	١, ,
Trichloroethen <del>e</del>	50	<6.0	ug/Kg	50.5	101.0	52.4	104.8	3.7
Trichlorofluoromethane	0.0	<6.0	ug/Kg					
Vinyl Acetate	0.0	<6.0	ug/Kg					
Vinyl Chloride	0.0	<6.0	ug/Kg					
m-Xylene	0.0	<6.0	ug/Kg					
o-Xylene	0.0	<6.0	ug/Kg					
p-Xylene	0.0	<6.0	ug/Kg					

NOTE: Data reported for spiked samples were analyzed in the same batch, but may not necessarily be that of your sample.

		•		•		
Lab Name:		Contract:		_		
Lab Code: C	ase No.:	SAS No.:		SDG No.:		
fatrix Spike - EPA Sa	mple No.: _//	13308 Lev	el:(low/	/med) _		_
•	94	t. 04021				
	//					
•		ANEPTER			•	••
	SPIKE	SAMPLE	l MS		MS	I QC
COMPOUND	ADDED   (ug/Kg)	CONCENTRATION   (ug/Kg) ,		ration Kg)		LIMITS
1,1-Dichloroethene_	50.0	_IO	58	.48		59-172
Trichloroethene		_	1_50	.51	101	62-137
Benzene		_	54	ify	108.8	66-142
Toluene			57	.49	115	159-139
Chlorobenzene		- $ $ $  $ $  $	52	2.54	105	160-133
-			' <del></del>			•
•						
_	•			•		
÷.	SPIKE	MSD	MSD	· · · · · · · · · · · · · · · · · · ·		
	ADDED	CONCENTRATION		<b>*</b>	OC T	TWIMO
COMPOUND	(ug/Kg)	(ug/Kg)	REC #	RPD #		IMITS   REC.
1,1-Dichloroethene	50.0	53.5	=====  _/07	9	22	<del>=====</del>
Trichloroethene		52.4				159-172
Benzene	i	55.a	100 16	-I	21	62 <b>-1</b> 37
Toluene	i	59.8	<u> 110,4</u> <u> 119,6</u>	4	21	66 <b>-</b> 142
Chlorobenzene		55.8	111.6			59 <b>-</b> 139  60-133
	i			6	21	   60–133
					•	
Column to be used to	o flag recover	ry and RPD value	s with	an aste	risk	
Values outside of Q						
PD: 0						
PD: 0 out of pike Recovery: 0	out of //	mits outside limits	;			
OMMENTS:						
•	<u> </u>					

Report To: Aneptek

NET Job No: 94.04016

Project: No. Smithfield RI ANG Station

Report Date: 12/19/1994

#### Matrix Spike/Matrix Spike Duplicate Results

Compound	Spike Amount	Sample Result	Units	MS Result	MS % Recovery	MSD Result	MSD % Recovery	RPD
TCL Acid/Base/Neutrals 8270	S							
Acenaphthene	1450	<40	ug/Kg	1250	86.2	1280	88.3	2.4
4-Chloro-3-Methylphenol	1450	<40	ug/Kg	1280	88.3	1320	91.0	3.0
2-Chlorophenol	1450	<40	ug/Kg	1000	69.0	1120	77.2	11.2
1.4-Dichlorobenzene	1450	<40	ug/Kg	1060	73.1	1200	82 <b>.8</b>	12.4
2.4-Dinitrotoluene	1450	<40	ug/Kg	1190	82.1	1230	84.8	3.2
N-Nitroso-di-n-Propylamine	1450	<40	ug/Kg	1240	85.5	1410	97.2	12.8
4-Nitrophenol	1450	<40	ug/Kg	1380	95.2	1430	98.6	3.5
Pentachlorophenol	1450	<40	ug/Kg	1270	87.6	1410	97.2	10.4
Phenol	1450	<40	ug/Kg	1010	69.7	1130	77.9	11.1
Pyrene	1450	<40	ug/Kg	1380	95.2	1420	97 <b>.9</b>	2.8
1,2,4-Trichlorobenzene	1450	<40	ug/Kg	1090	75.2	1220	84.1	11.2

NOTE: Data reported for spiked samples were analyzed in the same batch, but may not necessarily be that of your sample.

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TANDONAL MATIONAL CONTROL					١
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51 NAT1612 CHAIN OF CUSTODY RECORD (intral DDRESS 131 1251 HONE (561) (250 -1

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INVOICE TO:

NET QUOTE NO. P.O. NO.

2/2ml

PROJECT MANAGER \_\_\_ PROJECT NUMBER\_

ANALYSES		COMMENTS	Portera PP13 if sufficient W.L.		)/					TEMPERATURE UPON RECEIPT:	DATE	DATETIME REGUIVED FORMET BY:	14/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/
		12 C. 20 3 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0	シメ	`\	Х У					COC SEALS PRESENT AND INTACT? YES / NO VOLATILES FREE OF HEADSPACE? YES / NO	SRS	RELINOUISHED BY:	7 66
118/21 L. Has	TURE.	AWA  WATER  WATE	X	زا	× 1/61/20 " ×						RETURN SAMPLE REMAINDER TO CLIENT VIA	RECEIVED BY:	REMARKS:
7	SIGNATURE	NOTALISSECTED FULLY	という.	0	- 07.5					BOTTLES INTACT? YES/NO FIGLD FILTERED? YES/NO		OATECTIME  CA. 5 (1/3)	
SAMPLED BY	(PRINT NAME) (PRINT NAME)		CD 80 - 8.5 (OH) 1/1/1/1	80-85 512171/11	20-05 (1415-27/11					CONDITION OF SAMPLE:	SAMPLE REMAINDER DISPOSAL:	RELIFECTION SHED BY	METHOD OF SHIPMENT



NATIONAL ENVIRONMENTAL * TESTING, IND.

# CHAIN OF CUSTODY R

ADDRESS 20 1 6657 6 146 PHONE (500) (520 - 1048 IN, Kr Ph PROJECT MANAGER \_\_\_\_ PROJECT NUMBER \_\_\_

146726262	REPORT TO:	OH BORONNA		P.O. NO.	NET QUOTE NO.
RECORD		4 ( Jr NATICE MA	FAX	4.010, 4.000.	41

	ANMALYSIES	COMMENTS	Perfer PP13 Actual if inguiting			mile delle tool						T? YES / NO TEMPERATURE UPON RECEIPT:
(1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4			×	х	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		*	У	×	>		ENT AND INTACT? YES / N OF HEADSPACE? YES / NC
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, , , , , , , , , , , , , , , , , , ,	SIGNATURE		××		<b>メ</b> ク	<b>X</b>	* *	- X	> ×	××	×	BOTTLES INTACT? YES/NO FIELD FILTERED? YES/NO

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RECEIVED BY

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METHOD OF SHIPMENT

RELINOUISHED BY: THE THE

'REMÁRKS:

#### ANALYTICAL REPORT

Report To:

Mr. John Lee

Aneptek

209 West Central Street Natick, MA 01760

Project:

No. Smithfield RI ANG Station

12/21/1994

NET Job Number: 94.04021

National Environmental Testing

NET Atlantic, Inc. Cambridge Division 12 Oak Park Bedford, MA 01730

Massachusetts Certification Number м ма023

#### NET Cambridge Division

#### ANALYTICAL REPORT

Report To:

Mr. John Lee Aneptek 209 West Central Street Natick, MA 01760

Reported By:

National Environmental Testing NET Atlantic, Incorporated Cambridge Division 12 Oak Park Bedford, MA 01730

Report Date: 12/21/1994

NET Job Number: 94.04021

Project: No. Smithfield RI ANG Station

NET Client No: 4025

P.O. No: DAHA90-93-D-0003

Collected By: client

Shipped Via: Fedex

Job Description: Project # 94110.32

Airbill No: 1272921963

This report has been approved and certified for release by the following staff. Please feel free to call the NET Project Manager at 617-275-3535 with any questions or comments.

Alison P. Darrow NET Project Manager Report prepared by NET Reports Group

Analytical data for the following samples are included in this data report.

SAMPLE ID	NET ID	DATE TAKEN	TIME TAKEN	DATE REC'D	MATRIX
SR-09-07	113808	12/02/1994	11:50	12/03/1994	SOIL
SB-09-12	113809	12/02/1994	12:10	12/03/1994	SOIL
SB-10-06	113810	12/02/1994	14:00	12/03/1994	SOIF
SB-10-08	113811	12/02/1994	14:15	12/03/1994	SOIL

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: \$8-09-07

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals, Priority Pollutants Solid Dig. SW846,3050 Solid Dig. SW846 GFAA, 3050 Antimony (Sb) 846 IM Arsenic (As) 846 GFA Serytlium (Be) 846 IM Cadmium (Cd) 846 IM Chromium (Cr) 846 IM Copper (Cu) 846 IM Lead (Pb) 846 IM Mercury (Hg) 846 CM Nickel (Ni) 846 IM Selenium (Se) 846 GF Silver (Ag) 846 IM	S S S S S S S S S S S S S S S S S S S	Method  EPA SW846 SW846,3050 SW846,3050 SW846 ICP, 6010 SW846 furnace, 7000 SW846 ICP, 6010 SW846 Furnace, 7000 SW846 ICP, 6010 SW846 ICP, 6010 SW846 Furnace, 7000	Result  12/05/1994 12/08/1994 12/08/1994 <6.7 <2.2 0.94 <0.67 6.2 12 <7.8 <0.11 4.8 <1.1 <0.67 <2.2	date date date mg/Kg	Date  12/05/1994 12/08/1994 12/08/1994 12/09/1994 12/09/1994 12/09/1994 12/09/1994 12/09/1994 12/09/1994 12/09/1994 12/09/1994 12/09/1994 12/13/1994 12/13/1994	3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs	40 141 58 138 168 171 170 185 156 149 56 146	Analyst  ecu gsu gsu gmp mut gmp gmp gmp gmp drm gmp mut gmp
Thallium (Tl) 846 GF Zinc (Zn) 846 I EX Acid/Base/Neutrals 8270	CP S	SW846 ICP, 6010 SW-846, 3500	25 12/09/1994	mg/Kg date	12/09/199 <sup>4</sup> 12/09/199 <sup>4</sup>			gmp hpm

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield R! ANG Station

Date Rec'd: 12/03/1994

Sample ID: SS-09-07

MET Sample No: 113808

Analysis Prep

Date Batch Batch Analyst Units Result Parameter TPH (Purgable) 8015 - GRO S

<2800 Gasoline Range Organics

12/15/1994 ug/Kg

ump

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: SB-09-07

e Not - Filosop			Anatysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<30.	ug/Kg	12/09/1994		631	jpt
Benzene	<6.0	ug/Kg				
Bromodichloromethane	<6.0	ug/Kg				
Bromoform	<6.0	ug/Kg				
Bromomethane	<6.0	ug/Kg				
2-Butanone (MEK)	<30.	ug/Kg				
Carbon Disulfide	<6.0	ug/Kg				
Carbon Tetrachloride	<6.0	ug/Kg				
Chlorobenzene	<6.0	ug/Kg				
Chloroethane	<6.0	ug/Kg				
2-Chloroethylvinyl ether	<6.0	ug/Kg				
Chloroform	<6.0	ug/Kg				
Chloromethane	<6.0	ug/Kg				
Dibromochloromethane	<6.0	ug/Kg				
1,2-Dichlorobenzene	<6.0	ug/Kg				
1,3-Dichlorobenzene	<6.0	ug/Kg				
1,4-Dichlorobenzene	<6.0	ug/Kg				
1,1-Dichloroethane	<6.0	ug/Kg				
1,2-Dichloroethane	<6.0	ug/Kg				
1,1-Dichloroethene	<6.0	ug/Kg				
1,2-Dichloroethene (total)	<6.0	ug/Kg				
1,2-Dichloropropane	<6.0	ug/Kg				
cis-1,3-Dichloropropene	<6.0	ug/Kg				
trans-1,3-Dichloropropene	<6.0	ug/Kg				
Ethylbenzene	<6.0	ug/Kg				
2-Hexanone	<30.	ug/Kg				
4-Methyl-2-pentanone (MIBK	<30.	ug/Kg				
Methylene Chloride	<6.0	ug/Kg				
Styrene	<6.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<6.0	ug/Kg				
Tetrachloroethene	<6.0	ug/Kg				
Toluene	<6.0	ug/Kg				
1,1,1-Trichloroethane	<6.0	ug/Kg				
1,1,2-Trichloroethane	<6.0	ug/Kg				
Trichloroethene	<6.0	ug/Kg				
Trichlorofluoromethane	<6.0	ug/Kg				
Vinyl Acetate	<6.0	ug/Kg				
Vinyt Chtoride	<6.0	ug/Kg				
in-Xytene	<6.0	ug/Kg				
o-Xytene	<6.0	ug/Kg				
p-Xytene	<6.0	ug/Kg				

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: \$8-09-07

le No: 113868			Analysis		Run	
Parameter	Result	Units	Date	Satch	Batch	Analyst
TCL Acid/Base/Neutrals 8270 S						
	<40	ug/Kg	12/19/1994	168	408	jcg
Acenaphthene	` <40	ug/Kg	•			
Acenaphthylene	<40	ug/Kg				
Anthracene	<40	ug/Kg				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40	ug/Kg			-	
Benzo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Benzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluoranthene	<40	ug/Kg				
Benzoic Acid		ug/Kg				
Benzyl Alcohol	<40	=				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Methylphenol	<40	ug/Kg				
4-Chloroaniline	<40	ug/Kg				
bis(2-Chloroethoxy)Methane	<40	ug/Kg				
bis(2-Chloroethyl)Ether	<40	ug/Kg				
bis(2-Chloroisopropyl)Ether	<40	ug/Kg				
2-Chloronaphthalene	<40	ug/Kg				
2-Chlorophenol	<40	ug/Kg				
4-Chlorophenyl-phenylether	<40	ug/Kg				
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	<40	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg				
Dibenz(a,h)Anthracene	<40	ug/Kg				
Dibenzofuran	<40	ug/Kg				
1,2-Dichlorobenzene	<40	ug/Kg				
1,3-Dichlorobenzene	<40	ug/Kg		•		
1,4-Dichlorobenzene	<40	ug/Kg				
3,3'-Dichlorobenzidine	<40	ug/Kg				
2,4-Dichlorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2,4-Dimethylphenol	<40	ug/Kg				
4,6-Dinitro-2-Methylphenol	<40	ug/Kg				
2,4-Dinitrophenol	<40	ug/Kg				
2,4-Dinitrotoluene	<40	ug/Kg				
2,6-Dinitrotoluene	<40	ug/Kg				
bis(2-Ethythexyt)Phthalate	<40	ug/Kg				
Eluoranthene	<40	ug/Kg				
Etuorene	<40	ug/Kg				
Hexachterobenzere	<4 <b>0</b>	ug/Kg				
Hexachiorobutadiene	<40	ug/Kg				
Mexachionocyclopentadiene	<40	ug/Kg				
Hewachtorcethung	<0	ug/Kg				
(adeno(1,2,3-cd)?vrene	<4Ð	ug/Kg				
(Repharene	<4.0	ug/Kg				

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: SB-09-07

1195			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<40	ug/Kg				_
2-Methylphenol	<40	ug/Kg	12/19/1994	168	408	jeg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg				
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	<40	ug/Kg				
Naphthalene	<40	ug/Kg				
2-Nitroaniline	<40	ug/Kg				•
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40	ug/Kg				
Phenanthrene	<40	ug/Kg				
Phenol	<40	ug/Kg				
Pyrene	<40	ug/Kg				
1,2,4-Trichlorobenzene	<40	ug/Kg				
2,4,5-Trichlorophenol	<40	ug/Kg				
2,4,6-Trichlorophenol	<40	ug/Kg				

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: SE-09-12

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals.Priority P	ollutants S	EPA SW846	12/05/1994		12/05/1994		40	ecm
Solid Dig. SW846,	3050 s	sw846,3050	12/08/1994	date	12/08/1994	3119cs		gsw
Solid Dig. SW846	GFAA, 3050 S	sw846,3050	12/08/1994	date	12/08/1994	3119cs		gsw
Antimony (Sb)	846 ICP S	SW846 ICP, 6010	<6.6	mg/Kg	12/09/1994	3119cs	141	gmp
Arsenic (As)	846 GFAA S	SW846 furnace, 7000	<2.2	mg/Kg	12/13/1994	3119cs	58	Tiem
Beryllium (Be)	846 ICP S	SW846 ICP, 6010	0.65	mg/Kg	12/09/1994	3119cs	138	audo .
Cadmium (Cd)	846 ICP S	SW846 ICP, 6010	<0.66	mg/Kg	12/09/1994	3119cs	168	gmp
Chromium (Cr)	846 ICP S	SW846 ICP, 6010	3 <b>.3</b>	mg/Kg	12/09/1994	3119cs	171	gmp
Copper (Cu)	846 ICP S	SW846 ICP, 6010	22	mg/Kg	12/09/1994	3119cs	170	gmp
Lead (Pb)	846 ICP S	SW846 ICP, 6010	<7.7	mg/Kg	12/09/1994	3119cs	185	Smb
Mercury (Hg)	846 CVAA S	SW846 cold vapor, 7471	<0.11	mg/Kg	12/13/1994	3119cs	156	drm
Nickel (Ni)	846 ICP S	SU846 ICP, 6010	3.7	mg/Kg	12/09/1994	3119cs	149	<b>Swb</b>
Selenium (Se)	846 GFAA S	SW846 furnace, 7000	<1.1	mg/Kg	12/13/1994	3119cs	56	mut
Silver (Ag)	846 ICP S	SW846 ICP, 6010	<0.66	mg/Kg	12/09/1994	3119cs	146	gmp
Thallium (Tl)	846 GFAA S	SW846 furnace, 7000	<2.2	mg/Kg	12/12/1994	3119cs	48	mut
Zinc (Zn)	846 ICP S	SW846 ICP, 6010	22	mg/Kg	12/09/1994	3119cs	159	gmp
EX Acid/Base/Neut	rals 8270 S	SW-846, 3500	12/09/1994	date	12/09/1994	exabn_	•	hpm

Result

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: SS-09-12

MET Sample Not 113809

Parameter

Analysis Prep Run Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics <2700

ug/Kg

Units

12/15/1994

um

ump

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: S8-09-12

No: 113809			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<30.	ug/Kg	12/09/1994		631	jpt
Benzene	<6.0	ug/Kg				
Bromodichloromethane	<6.0	ug/Kg				
Bromoform	<6.0	ug/Kg				
Bromomethane	<6.0	ug/Kg				
2-Butanone (MEK)	<30.	ug/Kg				
Carbon Disulfide	<6.0	ug/Kg				
Earbon Tetrachloride	<6.0	ug/Kg				
Chlorobenzene	<6.0	ug/Kg				
Chloroethane	<6.0	ug/Kg				
2-Chloroethylvinyl ether	<6.0	ug/Kg				
Chloroform	<6.0	ug/Kg				
Chloromethane	<6.0	ug/Kg				
Dibromochloromethane	<6.0	ug/Kg				
1.2-Dichlorobenzene	<6.0	ug/Kg				
1,3-Dichlorobenzene	<6.0	ug/Kg				
1.4-Dichlorobenzene	<6.0	ug/Kg				
1,1-Dichloroethane	<6.0	ug/Kg				
1,2-Dichloroethane	<6.0	ug/Kg				
1,1-Dichloroethene	<6.0	ug/Kg				
1,2-Dichloroethene (total)	<6.0	ug/Kg				
1,2-Dichloropropane	<6.0	ug/Kg				
cis-1,3-Dichloropropene	<6.0	ug/Kg				
trans-1,3-Dichloropropene	<6.0	ug/Kg				
Ethylbenzene	<6.0	ug/Kg				
2-Hexanone	<30.	ug/Kg				
4-Methyl-2-pentanone (MIBK	<30.	ug/Kg				
Methylene Chloride	<6.0	ug/Kg				
Styrene	<6.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<6.0	ug/Kg				
Tetrachloroethene	<6.0	ug/Kg				
Toluene	<6.0	ug/Kg				
1,1,1-Trichloroethane	<6.0	ug/Kg				
1,1,2-Trichloroethane	<6.0	ug/Kg				
Trichloroethene	<6.0	ug/Kg				
Trichlorofluoromethane	<6.0	ug/Kg				
Vinyl Acetate	<6.0	ug/Kg				
Vinyt Chloride	< 5.0	ug/Kg				
m-Xylene	<5.0	ug/Kg				
o-Xytene	<5.0	ug/Kg				
p-Xylene	<5.0	ug/Kg				

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: SS-09-12

: No: 113809			Analysis	Ргер	Run	
Parameter	Result	Units	Date		Batch	Analyst
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	<40	ug/Kg	12/19/1994	168	408	jeg
Acenaphthylene	<40	ug/Kg				
Anthracene	<40	ug/Kg				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40	ug/Kg				
Benzo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Benzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluoranthene	<40	ug/Kg				
Benzoic Acid	<40	ug/Kg				
Benzyl Alcohol	<40	ug/Kg				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Methylphenol	<40	ug/Kg				
4-Chloroaniline	<40	ug/Kg				
	<40	ug/Kg				
bis(2-Chloroethoxy)Methane	<40	ug/Kg				
bis(2-Chloroethyl)Ether	<40	ug/Kg				
bis(2-Chloroisopropyl)Ether	<40	ug/Kg				
2-Chloronaphthalene	<40	ug/Kg				
2-Chlorophenol						
4-Chlorophenyl-phenylether	<40	ug/Kg				
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	<40	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg				
Dibenz(a,h)Anthracene	<40	ug/Kg				
Dibenzofuran	<40	ug/Kg				
1,2-Dichlorobenzene	<40	ug/Kg				
1,3-Dichlorobenzene	<40	ug/Kg				
1,4-Dichlorobenzene	<40	ug/Kg				
3,3'-Dichlorobenzidine	<40	ug/Kg				
2,4-Dichlorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2,4-Dimethylphenol	<40	ug/Kg				
4,6-Dinitro-2-Methylphenol	<40	ug/Kg				
2,4-Dinitrophenol	<40	ug/Kg				
2,4-Dinitrotoluene	<40	ug/Kg				
2,5-Dinitrotoluene	<40	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<40	ug/Kg				
Fluoranthene	<40	ug/Kg				
Fluorene	<40	ug/Kg				
Hexachionobaszene	<40	ug/Kg				
He kach tor coutadiene	<40	ug/Kg				
Hexachlorocyclopentadiene	<40	ug/Kg				
He kach Loroe thane	٠ (40	ug/Kg				
Indeno(1,2,3-od)Pyrene	<43	ug/Kg				
Esupharane	<40	ug/Kg				

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: SB-09-12

1 101 115007			Analysis	Prep	Run	
Parameter	Result	Units	Date	Satch	Batch	Analyst
2-Methylnaphthalene	<40	ug/Kg				
2-Methylphenol	<40	ug/Kg	12/19/1994	168	408	jcg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg				
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	<40	ug/Kg				
Naphthalene	<40	ug/Kg				
2-Nitroaniline	<40	ug/Kg				
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40	ug/Kg				
Phenanthrene	<40	ug/Kg				
Phenot	<40	υg/Kg				
Pyrene	<40	ug/Kg				
1,2,4-Trichlorobenzene	<40	ug/Kg				
2,4,5-Trichtorophenol	<40	ug/Kg				
2,4,6-Trichlorophenol	<40	ug/Kg				

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: \$8-10-06

MEI Sample No: 113310

Metals, Priority Pollutants S EPA SW846 127 SW846, 3050 12/08/1994 date 12/08/1994 3119cs 9 Solid Dig. SW846, 3050 S SW846, 3050 12/08/1994 date 12/08/1994 3119cs 9 Solid Dig. SW846 GFAA, 3050 S SW846, 3050 12/08/1994 date 12/08/1994 3119cs 141 9 Antimony (Sb) 846 ICP S SW846 ICP, 6010 <6.6 mg/Kg 12/09/1994 3119cs 141 9 Arsenic (As) 846 GFAA S SW846 furnace, 7000 <2.2 mg/Kg 12/13/1994 3119cs 138 9 Beryllium (Be) 846 ICP S SW846 ICP, 6010 0.81 mg/Kg 12/09/1994 3119cs 138 9 Gadmium (Cd) 846 ICP S SW846 ICP, 6010 <0.66 mg/Kg 12/09/1994 3119cs 168 9 Gadmium (Cr) 846 ICP S SW846 ICP, 6010 14 mg/Kg 12/09/1994 3119cs 171 9 Gadmium (Cr) 846 ICP S SW846 ICP, 6010 15 mg/Kg 12/09/1994 3119cs 170 9 Gadmium (Cr) 846 ICP S SW846 ICP, 6010 9.0 mg/Kg 12/09/1994 3119cs 185 9 Gadmium (Cr) 846 ICP S SW846 ICP, 6010 9.0 mg/Kg 12/09/1994 3119cs 185 9 Gadmium (Cr) 846 ICP S SW846 ICP, 6010 9.0 mg/Kg 12/09/1994 3119cs 185 9 Gadmium (Cr) 846 ICP S SW846 ICP, 6010 8.9 mg/Kg 12/13/1994 3119cs 149 9 Gadmium (Se) 846 ICP S SW846 ICP, 6010 8.9 mg/Kg 12/09/1994 3119cs 149 9 Gadmium (Se) 846 ICP S SW846 ICP, 6010 <0.66 mg/Kg 12/13/1994 3119cs 146 9 Gadmium (Se) 846 ICP S SW846 ICP, 6010 <0.66 mg/Kg 12/13/1994 3119cs 146 9 Gadmium (CI) 846 ICP S SW846 ICP, 6010 <0.66 mg/Kg 12/13/1994 3119cs 146 9 Gadmium (CI) 846 ICP S SW846 ICP, 6010 <0.66 mg/Kg 12/13/1994 3119cs 146 9 Gadmium (CI) 846 ICP S SW846 ICP, 6010 <0.66 mg/Kg 12/13/1994 3119cs 146 9 Gadmium (CI) 846 ICP S SW846 ICP, 6010 <0.66 mg/Kg 12/13/1994 3119cs 146 9 Gadmium (CI) 846 ICP S SW846 ICP, 6010 <0.66 mg/Kg 12/13/1994 3119cs 146 9 Gadmium (CI) 846 ICP S SW846 ICP, 6010 <0.66 mg/Kg 12/13/1994 3119cs 146 9 Gadmium (CI) 846 ICP S SW846 ICP, 6010 <0.66 mg/Kg 12/13/1994 3119cs 146 9 Gadmium (CI) 846 ICP S SW846 ICP, 6010 <0.66 mg/Kg 12/13/1994 3119cs 146 9 Gadmium (CI) 846 ICP S SW846 ICP, 6010 <0.66 mg/Kg 12/13/1994 3119cs 146 9 Gadmium (CI) 846 ICP S SW846 ICP SW846 I	Parameter	Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Zinc (Zn) 846 ICP S SW846 ICP, 6010 29 mg/Kg 12/09/1994 3119cs 159 5	Metals, Priority Pollutants S Solid Dig. SW846,3050 S Solid Dig. SW846 GFAA, 3050 S Antimony (Sb) 846 ICP S Arsenic (As) 846 GFAA S Beryllium (Be) 846 ICP S Cadmium (Cd) 846 ICP S Chromium (Cr) 846 ICP S Copper (Cu) 846 ICP S Copper (Cu) 846 ICP S Hercury (Hg) 846 ICP S Mercury (Hg) 846 ICP S Selenium (Se) 846 GFAA S Silver (Ag) 846 GFAA S Thallium (Tl) 846 GFAA S	SW846,3050 SW846,3050 SW846 ICP, 6010 SW846 FURNACE, 7000 SW846 ICP, 6010 SW846 ICP, 6010	12/08/1994 12/08/1994 <6.6 <2.2 0.81 <0.66 14 15 9.0 <0.11 8.9 <1.1 <0.66 <2.2	date mg/Kg	12/03/1994 12/08/1994 12/09/1994 12/13/1994 12/09/1994 12/09/1994 12/09/1994 12/09/1994 12/13/1994 12/09/1994 12/13/1994 12/12/1994 12/12/1994	3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs	141 58 138 168 171 170 185 156 149 56 146 48 159	ecu gsu gsu gmp mut gmp gmp gmp gmp drm gmp gmp drm gmp mut gmp mut

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: SB-10-06

MET Sample No: 113810

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics 29000 ug/Kg 12/15/1994 4 ump

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: S8-10-06 -

5 40: 112910			Analysis		สิบก	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<25	ug/Kg	12/13/1994		630	jpt
Benzene	<5.0	ug/Kg				
Bromodichloromethane	<5.0	ug/Kg				
Bromoform	<5.0	ug/Kg				
Bromomethane	<5.0	ug/Kg	•			
2-Butanone (MEK)	<25	ug/Kg				
Carbon Disulfide	<5.0	ug/Kg				
Carbon Tetrachloride	<5.0	ug/Kg				
Chlorobenzene	<5.0	ug/Kg				
Chloroethane	<5.0	ug/Kg				
2-Chloroethylvinyl ether	<5.0	ug/Kg				
Chloroform	<5.0	ug/Kg				
Chloromethane	<5.0	ug/Kg				
Dibromochloromethane	<5.0	ug/Kg				
1,2-Dichlorobenzene	<5.0	ug/Kg				
1.3-Dichlorobenzene	<5.0	ug/Kg				
1.4-Dichlorobenzene	<5.0	ug/Kg				
1,1-Dichloroethane	<5.0	ug/Kg				
1,2-Dichloroethane	<5.0	ug/Kg				
1,1-Dichloroethene	<5.0	ug/Kg				
1,2-Dichloroethene (total)	<5.0	ug/Kg				
1,2-Dichloropropane	<5.0	ug/Kg				
cis-1,3-Dichloropropene	<5.0	ug/Kg				
trans-1,3-Dichloropropene	<5.0	ug/Kg				
Ethylbenzen <del>e</del>	100	ug/Kg				
2-Hexanone	<25	ug/Kg				
4-Methyl-2-pentanone (MIBK	<25	ug/Kg				
Methylene Chloride	8	ug/Kg				
Styrene	<5.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<5.0	ug/Kg				
Tetrachloroethene	<5.0	ug/Kg				
Toluene	<5.0	ug/Kg				
1,1,1-Trichloroethane	<5.0	ug/Kg				
1,1,2-Trichloroethane	<5.0	ug/Kg				
Trichloroethene	<5.0	ug/Kg				
Trichlorofluoromethane	<5.0	ug/Kg				
Vinyl Acetate	<5.0	ug/Kg				
Vinyl Chloride	<5.0	ug/Kg				
s-Xylene	44	* ug/Kg 				
o-Xytene	93	ug/Kg				
p-Xytene	<5.0	* ug/Kg				

<sup>\*</sup> M and P xylenes co-clute. The reported result is either one, the other or a combination of the two increas.

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: SB-10-05

Parameter	Result	Units	Analysis Date	Prep Batch	Run Bat <b>ch</b>	Analyst
TCL Acid/Base/Neutrals 8270 S			42.40.44004	160	/09	ica
Acenaphthene	<200	ug/Kg	12/19/1994	168	408	jcg
Acenaphthylene	<200	ug/Kg				
Anthracene	<200	ug/Kg				
Benzidine .	<200	ug/Kg				
Benzo(a)Anthracene	<200	ug/Kg				
Benzo(a)Pyrene	<200	ug/Kg				
Benzo(b)Fluoranthene	<200	ug/Kg				
Benzo(g,h,i)Perylene	<200	ug/Kg				
Benzo(k)Fluoranthene	<200	ug/Kg				
Benzoic Acid	<200	ug/Kg				
Benzył Alcohol	<200	ug/Kg				
4-Bromophenyl-phenylether	<200	ug/Kg				
Butylbenzylphthalate	<200	ug/Kg				
4-Ehloro-3-Methylphenol	<200	ug/Kg				
4-Chloroaniline	<200	ug/Kg				
bis(2-Chloroethoxy)Methane	<200	ug/Kg				
bis(2-Chloroethyl)Ether	<200	ug/Kg				
bis(2-Chloroisopropyl)Ether	<200	ug/Kg				
2-Chloronaphthalene	<200	ug/Kg				
2-Chlorophenol	<200	ug/Kg				
4-Chlorophenyl-phenylether	<200	ug/Kg				
	<200	ug/Kg				
Chrysene	<200	ug/Kg				
Di-n-Butylphthalate	<200	ug/Kg	•			
Dī-n-Octyl Phthalate	<200	ug/Kg				
Dibenz(a,h)Anthracene	260	ug/Kg				
Dibenzofuran	<200	ug/Kg				
1,2-Dichlorobenzene	<200	ug/Kg				
1,3-Dichlorobenzene	<200	ug/Kg				
1,4-Dichlorobenzene	<200	ug/Kg				
3,3'-Dichlorobenzidine	<200	ug/Kg				
2,4-Dichtorophenot	<200	ug/Kg				
Diethylphthalate						
Dimethyl Phthalate	<200 <200	ug/Kg				
2,4-Dimethylphenol		ug/Kg				
4,6-Dinitro-2-Methylphenol	<200	ug/Kg				
2,4-Dinitrophenol	<200	ug/Kg				
2,4-Dinitrotoluene	<200	ug/Kg				
2,6-Dinitrotaluene	<200	ug/Kg				
bis(2-Ethylnexyl)Phinalate	<200	ug/Kg				
Fluoranthene	<200	ug/Kg				
Fluorene	<200	ug/Kg				
Beardal archerona	<200	ug/Kg				
He Kach ( resput ada sha	• <200	ug/Kg				
Mexachicionyciopiniadiene	<200	ug/Kg				
Hexachlorosta av	<290	ug/Kg				
Indexe(3,2,3-millynere	<200	ug/Kg				
Isophorous	<200	ug/Kg				

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94-04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: S8-10-06

e No: 113810			Analysis Date	Prep Batch	Run Batch	Analyst
Parameter	Result	Units				
2-Methylnaphthalene	7600	ug/Kg				
2-Methylphenol	<200	ug/Kg	12/19/1994	168	408	jcg
4-Methylphenol	<200	ug/Kg				
N-Nitroso-di-n-Propylamine	<200	ug/Kg				
N-Nitrosodimethylamine	<200	ug/Kg				
N-Nitrosodiphenylamine	<200	ug/Kg				
Naphthalene	3400	ug/Kg				
2-Nitroaniline	<200	ug/Kg				
3-Nitroaniline	<200	ug/Kg				
4-Nitroaniline	<200	ug/Kg				
Nitrobenzene	<200	ug/Kg				
2-Nitrophenol	<200	ug/Kg				
4-Nitrophenol	<200	ug/Kg				
Pentachlorophenol	<200	ug/Kg				
Phenanthrene	<200	ug/Kg				
Phenol	<200	ug/Kg				
Pyrene	<200	ug/Kg				
1,2,4-Trichlorobenzene	<200	ug/Kg				
2,4,5-Trichtorophenol	<200	ug/Kg				
2,4,6-Trichlorophenol	<200	ug/Kg				

Report Date: 12/21/1994

Report To: Ameptek

NET Job No: 94.04021

Project: No. Smithfield R! ANG Station

Date Rec'd: 12/03/1994

Sample 10: SS-10-08

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals,Priority Pr Solid Dig. SW846, Solid Dig. SW846 Antimony (Sb) Arsenic (As)	3050 S GFAA, 3050 S 846 ICP S 846 GFAA S	EPA SW846 SW846,3050 SW846,3050 SW846 ICP, 6010 SW846 furnace, 7000	12/05/1994 12/08/1994 12/08/1994 <6.7 <2.2 0.74	date date mg/Kg mg/Kg mg/Kg	12/05/1994 12/08/1994 12/08/1994 12/09/1994 12/13/1994 12/09/1994	3119cs 3119cs 3119cs 3119cs	. 141 . 58	ech gsh gsh gmp mht gmp
Beryllium (Be) Cadmium (Cd) Chromium (Cr) Copper (Cu) Lead (Pb) Mercury (Hg) Nickel (Ni)	846 ICP S 846 ICP S 846 ICP S 846 ICP S 846 ICP S 846 ICP S	SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 cold vapor, 7471 SW846 ICP, 6010	<0.67 5.6 9.4 <7.8 <0.11 4.7	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/09/1994 12/09/1994 12/09/1994 12/09/1994 12/13/1994 12/09/1994	3119cs 3119cs 3119cs 3119cs 3119cs	168 171 170 185 156	Sub Sub Sub Sub Sub
Selenium (Se) Silver (Ag) Thallium (Tl) Zinc (Zn) EX Acid/Base/Neut	846 GFAA S 846 ICP S 846 GFAA S 846 ICP S	SW846 furnace, 7000 SW846 ICP, 6010 SW846 furnace, 7000 SW846 ICP, 6010 SW-846, 3500	<1.1 <0.67 <2.2 19 12/09/1994	mg/Kg mg/Kg mg/Kg mg/Kg date	12/13/1994 12/09/1994 12/12/1994 12/09/1994 12/09/1994	3119cs 3119cs 3119cs	: 146 : 48 : 159	pbu pht dub mnf dub mnf dub mnf

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/03/1994

Sample ID: SB-10-08

MET Sample No: 113811

Parameter

Analysis Prep Run

Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics 28000

ug/Kg

Units

Result

12/15/1994

1

**UMP** 

Report Date: 12/21/1994

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/93/1994

Sample ID: SB-10-08

			Analysis	Ргер	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<25	ug/Kg	12/13/1994		630	jpt
Benzene	<5.0	ug/Kg				
Bromodichloromethane	<5.0	ug/Kg				
Bromoform	<5.0	ug/Kg				
Bromomethane	<5.0	ug/Kg				
2-Butanone (MEK)	<25	ug/Kg				
Carbon Disulfide	<5.0	ug/Kg				
Carbon Tetrachloride	<5.0	ug/Kg				
Chlorobenzene	<5.0	ug/Kg				
Chloroethane	<5.0	ug/Kg				
2-Chloroethylvinyl ether	<5.0	ug/Kg				
Chloroform	<5.0	ug/Kg				
Chloromethane	<5.0	ug/Kg				
Dibromochloromethane	<5.0	ug/Kg				
1,2-Dichlorobenzene	<5.0	ug/Kg				
1,3-Dichlorobenzene	<5.0	ug/Kg				
1,4-Dichlorobenzene	<5.0	ug/Kg				
1,1-Dichloroethane	<5.0	ug/Kg				
1,2-Dichloroethane	<5.0	ug/Kg				
1,1-Dichloroethene	<5.0	ug/Kg				
1,2-Dichloroethene (total)	<5.0	ug/Kg				
1,2-Dichloropropane	<5.0	ug/Kg				
cis-1,3-Dichloropropene	<5.0	ug/Kg				
trans-1,3-Dichloropropene	<5.0	ug/Kg				
Ethylbenzene	<5.0	ug/Kg				
2-Hexanone	<25	ug/Kg				
4-Methyl-2-pentanone (MIBK	<25	ug/Kg				
Methylene Chloride	<5.0	ug/Kg				
Styrene	<5.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<5.0	ug/Kg				
Tetrachloroethene	<5.0	ug/Kg				
Toluene	<5.0	ug/Kg				
1,1,1-Trichloroethane	<5.0	ug/Kg				
1,1,2-Trichloroethana	<5.0	ug/Kg				
Trichloroethene	<5.0	ug/Kg				
Trichlorofluoromethane	<5.0	ug/Kg				
Vinyl Acetate	<5.0	ug/Kg				
Vinyl Chloride	<5.0	ug/Kg				
a-Xylene	<5.9	ug/Kg				
o-Xylene	<5.0 ·	ug/Kg				
p-Xylene	<5.0	ug/Kg				

OC SUMMARY FOR INORGANICS REPORT: DIGESTION BLANKS

NET-CAMBRIDGE DIVISION

Work ID: 3119CS

Date of report: 12/15/94

SDG/ Batch: 9404021,4061

Page:

			===	
73-2		3119CS		
Blank:		Found, mg/L		
		found, mg/b		
<u>Element</u>				
Ag	i	< 0.0030	İ	
As	ŗ	< 0.010	ļ	
Вe	İ	0.0023	1	
Cd	1	< 0.0030	}	
Cr	İ	< 0.0060		•
O.	<u>.</u>		+	
<i>0</i>	i	0.0068	1	
Cu	1		1	
Hg	ļ	< 0.00020		
Ni	ļ	0.022	ł	
Pb	ļ	< 0.035	İ	
Sb	1	< 0.030	1	
	+		+	
Se	1	< 0.0050	1	
Tl	i	< 0.010	ı	
	ļ	0.0094	j	
Zn	j	0.0094	١.	

All blank values are within acceptable limits.

## QC SUMMARY FOR INORGANICS REPORT: LAB CONTROL STANDARDS

NET-CAMBRIDGE DIVISION

Date of report: 12/15/94

Work ID: 3119CS

SDG/ Batch: 9404021,4061

Page: 4

standard:	True	LCSHCL 3	119CS ( Units	===== Solid) % R	 True	LCSHG 3 Found	119CS Units		
Element  Ag   As   Be   Cd   Cr   Hg   Ni   Pb   Sb   Tl   Zn	1.0 1.0 0.20 1.00 1.00 1.00 1.0 1.0	0.83 1.1 0.191 0.95 0.98 1.06 1.0 0.96 1.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	\$3 110 96 95 98 106 100 96 100 95	 0.0040	0.0040	mg/L	100	

=	====	======	=======	======	=======	
Standard	1:	True	LCSHNO3 Found	3119CS Units	(Solid) % R	
Element Ag As Be Cd Cr	desay state total total state	0.020	0.020	mg/L	100   	
	+				+	+
Cu	]				!	
Ħg	ļ					
Ni	ŀ					
Pb	;					
Sb	I					
	+				-	<del> </del>
Se	i	0.010	0.0099	9 mg/L	99	1
Tl Zn	]	0.050	0.049	mg/L	98	

#### NET Cambridge Division

#### QUALITY CONTROL DATA

Client: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Report Date: 12/21/1994

Surrogate Standard Percent Recovery

Abbreviated Surrogate Standard Names:

\$\$1 \$\$2 \$\$3 \$\$4 \$\$5 \$\$6 \$\$7 \$\$8 \$\$9 \$\$10 \$\$11 \$\$12

Trifluo Bromoft 1,2-Dic Toluene 2-Fluor Phenol- 2,4,6-T 2-Fluor Nitrobe p-Terph

Sample ID	NET ID Matrix	SS1	ss2	SS3	Perce SS4	nt Reco	ss6	ss7	\$\$8	\$\$9	SS10	SS11	SS12
SB-09-07 SB-09-12 SB-10-06 SB-10-08	113808 SOIL 113809 SOIL 113810 SOIL 113811 SOIL	130 115 125 116	94 97 87 99	98 98 95 99	100 104 100 99	72 73 86 86	75 76 93 92	83 94 83 82	90 89 115 85	77 77 53 78	96 100 110 104		

Notes:

NR - This surrogate standard is Not Required. Other versions of this test method may use this surrogate standard.

Dil - This surrogate standard was diluted to below detectable levels due to concentrations of analytes in this sample.

Complete Surrogate Standard Names Listed by Analysis:

Pesticide Surrogate Standards:

Decachl = Decachlorobiphenyl Dibutyl = Dibutylchlorendate

Tetrach = Tetrachloro-m-xylene

Volatile Surrogate Standards:

Bromofi = Bromofluorobenzene

1,2-Dichl = 1,2-Dichloroethane-d4

Toluene = Toluene-d8

Drinking Water Method 524 1,2-Dichl = 1,2-Dichlorobenzene-d4

<u>Semivolatlile Surrocate Standards:</u>

2-Fluor (1st) = 2-Fluorobiphenyl : 2-Fluor (2nd) = 2-Fluorophenol

Phenot - = Phenot-d6

Nitrobe = Nitrobenzene-d5

2,4,6-T = 2,4,6-Tribromophenol

p-Terph = p-Terphenyl

<u>Herbicides Surrogate Standard:</u>

2,4-Dic = 2,4-Dichtorophenyl acetic acid

Filtroleum Mydrocarbon Fincerprint Surregate Standard:

2-fluor = 2-fluorobiphenyl

para-Te = para-Terphynyl

Report To: Aneptek

NET Job No: 94.04021

Project: -No. Smithfield RI ANG Station

Report Date : 12/21/1994 ·

Method Blank Analysis Data

Test Name	Result	Units	Prep Batch	Run Batch	Run Date	Analyst Initials	
TPH (Purgable) 8015 - GPO S Trifluorotoluene Gasoline Range Organics	129 <2500	% recov. ug/Kg		4	12/15/1994 12/15/1994	ಗಾರಿ ಗಾರಿ	

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Report Date: 12/21/1994

#### Matrix Spike/Matrix Spike Duplicate Results

	Spike	Sample		MS	MS %	MSD	MSD %	
Compound	Amount	Result	Units	Resuit	Recovery	· Result	Recovery	RPD CSR
TCL Votatiles by GC/MS 8240	S							
Senzene	50	<5.0	ug/Kg	47.0	94.0	44.7	89.4	5.0
Bromodichloromethane	0.0	<5.0	ug/Kg	0.0	0	50	100 <b>.0</b>	200.0
Bromoform	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200 <b>.0</b>
Bromomethane	0.0	<5.0	ug/Kg	0.0	0	50	100.0	20 <b>0.0</b>
Carbon Disulfide	0.0	<5.0	ug/Kg	0.0	0	50	100 <b>.0</b>	200.0
Carbon Tetrachloride	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
Chlorobenzene	50	<5.0	ug/Kg	44.7	89.4	42.1	84.2	6.0
Chloroethane	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
2-Chloroethylvinyl ether	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
Chloroform	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
Chloromethane	0.0	<5.0	ug/Kg	0.0	0	50	100_0	200.0
Dibromochloromethane	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
1.2-Dichlorobenzene	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
1.3-Dichlorobenzene	0.0	<5.0	ug/Kg	0.0	0	50	100.0	20 <b>0.0</b>
1.4-Dichtorobenzene	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
1.1-Dichloroethane	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
1.2-Dichloroethane	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
1.1-Dichloroethene	50	<5.0	ug/Kg	35.1	70.2	41.8	83.6	17.4
1,2-Dichloropropane	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
cis-1.3-Dichloropropene	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
trans-1.3-Dichloropropene	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
Ethylbenzene	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
Methylene Chloride	0.0	<5.0	ug/Kg	0.0	O	50	100.0	200.0
Styrene	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
1,1,2,2-Tetrachloroethane	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
Tetrachloroethene	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
Toluene	50	<5.0	ug/Kg	43.6	87.2	44.8	89.6	2.7
1,1,1-Trichloroethane	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
1,1,2-Trichloroethane	0.0	<5.0	ug/Kg	0.0	0	50	100_0	200.0
Trichloroethene	50	<5.0	ug/Kg	46.1	92.2	44.5	89.0	3.5
Trichlorofluoromethane	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
Vinyl Acetate	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
Vinyl Chloride	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
m-Xylene	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
o-Xylene	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
p-Xytene p-Xytene	0.0	<5.0	ug/Kg	0.0	0	50	100.0	200.0
p-xytene	0.0	.5.0	39,13	J	-			

NOTE: Data reported for spiked samples were analyzed in the same batch, but may not necessarily be that of your sample.

Report To: Aneptek

NET Job No: 94.04021

Project: No. Smithfield RI ANG Station

Report Date: 12/21/1994

#### Matrix Spike/Matrix Spike Duplicate Results

Compound	Spike Amount	Sample Result	Units	MS Result	MS % Recovery	MSD Pesult	MSD % Recovery	RPD
TCL Acid/Base/Neutrals 8270	s							
Acenaphthene	1450	<40	ug/Kg	1250	86.2	1280	88.3	2.4
4-Chloro-3-Methylphenol	1450	<40	ug/Kg	1280	88.3	1320	91.0	3.0
2-Chlorophenol	1450	<40	ug/Kg	1000	69.0	1120	77.2	11.2
1,4-Dichlorobenzene	1450	<40	ug/Kg	1060	73.1	1208	82 <b>.8</b>	12.4
2,4-Dinitrotoluene	1450	<40	ug/Kg	1190	82.1	1230	84.8	3.2
N-Nitroso-di-n-Propylamine	1450	<40	ug/Kg	1240	85.5	1410	97.2	12.8
4-Nitrophenol	1450	<40	ug/Kg	1380	95.2	1430	98 <b>.6</b>	3.5
Pentachlorophenol	1450	<40	ug/Kg	1270	87.6	1410	97.2	10.4
Phenol	1450	<40	ug/Kg	1010	69.7	1130	77.9	11.1
Pyrene	1450	<40	ug/Kg	1380	95.2	1420	97 <b>.9</b>	2.8
1,2,4-Trichlorobenzene	1450	<40	ug/Kg	1090	75.2	1220	84.1	11.2

NOTE: Data reported for spiked samples were analyzed in the same batch, but may not necessarily be that of your sample.

#### GRO MS/MSD

Lab Name: CAMBRG

Contract: Aneptek

Lab Code: CAMBRG

Case No: 94.04016 SDG No.: \_\_\_\_

Matrix Spike - EPA Sample No.: 113781

Matrix: SOIL

CONCENTRATION UNITS: ng/kg \_\_\_\_

Compound	Spike Added	Sample Concentration	MS Concentration	MS % Rec.	QC LIMITS REC.
aaa-TFT (surr)	50	N/A	35.8	72	60 - 120
GRO	27150	5400	17865	46*	60 - 120

	MSD			QC LIMITS		
Compound	Spike Added	MSD Concentration	% REC.	RPD	RPD	% RECOV.
aaa-TFT (surr)	50	51.4	103	0.4	20	60 - 120
GRO	27150	20363	55	18.2	20	60 - 120

RPD: _	1	out	of	2	outside	limits.
--------	---	-----	----	---	---------	---------

Spike Recovery: 1 out of 4 outside limits.

Comments:

Comments:

ENVIRONMENTAL TESTING, INC. NATIONAL

# CHAIN OF CUSTODY RECORD

Contra PHONE (500) (050-1048) ADDRESS 309 WICH PROJECT NAME/LOCATION. COMPANY ARETE & PROJECT NUMBER\_

PROJECT MANAGER - 1/2 /

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REPORT TO:

INVOICE TO:

NET QUOTE NO. P.O. NO.

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	LVSE WINDING # QP. COND.	WALLINX WOLLINX		COMMENTS	
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CONDITION OF SAMPLE: BOTTLES INTACT? YES/NO		OC SEALS PRI	COC SEALS PRESENT AND INTACT? YES / NO VOLATILES FREE OF HEADSPACE? YES / NO	TEMPERATURE UPON RECEIPT:	
SAMPLE REMAINDER DISPOSAL: RETUR	RETURN SAMPLE REMAINDER TO CLIEN I REQUEST NET TO DISPOSE OF ALL SAI	O CLIENT VIA	DERS	DATE ////	
				Contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of th	

REMARKS:

Mrs. Land Blues

RELIFICUISMED BY

#### NET Cambridge Division

#### ANALYTICAL REPORT

Report To:

Mr. John Lee Aneptek 209 West Central Street Natick, MA 01760 Reported By:

National Environmental Testing NET Atlantic, Incorporated Cambridge Division 12 Oak Park Bedford, MA 01736

Report Date: 12/27/1994

NET Job Number: 94.04061

Project: No. Smithfield RI ANG Station

NET Client No: 4025

P.O. No: DAHA90-93-D-0003

Collected By: client

Shipped Via: Fedex

Job Description: Project # 94110.32

Airbill No: 1272921930 +

This report has been approved and certified for release by the following staff. Please feel free to call the NET Project Manager at 617-275-3535 with any questions or comments.

Alison P. Darrow NET Project Manager Report prepared by NET Reports Group

Analytical data for the following samples are included in this data report.

SAMPLE ID	NET ID	DATE TAKEN	TIME TAKEN	. DATE REC'D	MATRIX
SB-11-07	113906	12/05/1994	11:45	12/07/1994	SOIL
SB-11-12	113907	12/05/1994	12:05	12/07/1994	SOIL
SB-12-07	113908	12/05/1994	14:20	12/07/1994	SOIL
SB-12-12	113909	12/05/1994	14:35	12/07/1994	SOIL
SB-13-2.5	113910	12/06/1994	10:15	12/07/1994	SOIL
SB-13-07	113911	12/06/1994	10:30	12/07/1994	SOIL
SR-14-07	113912	12/06/1994	11:50	12/07/1994	SOIL
SB-14-02.5	113913	12/06/1994	11:35	12/07/1994	SOIL
SS-01	113914	12/06/1994	13:38	12/07/1994	SOIL
SS-02	113915	12/06/1994	13:57	12/07/1994	SOIL
ss-03	113916	12/06/1994	14:05	12/07/1994	SOIL

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: S8-11-07

MET Sample No: 113906

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
	<3400	ug/Kg	12/14/1994		633	กตร
Acetone	<690	ug/Kg	,			
Benzene	<690	ug/Kg				
Bromodichloromethane	<690	ug/Kg				
Bromoform	<690	ug/Kg				
Bromomethane	<3400	ug/Kg				
2-Butanone (MEK)	<690	ug/Kg				
Carbon Disulfide	<690	ug/Kg				
Carbon Tetrachloride	<690	ug/Kg				
Chlorobenzene	<690	ug/Kg				
Chloroethane	<690	ug/Kg				
2-Chloroethylvinyl ether	<690	ug/Kg				
Chloroform	<69 <b>0</b>	ug/Kg				
Chloromethane	<690	ug/Kg				
Dibromochloromethane	<690	ug/Kg				
1,2-Dichlorobenzene	<690	ug/Kg				
1,3-Dichtorobenzene	<690 <690	ug/Kg				
1,4-Dichlorobenzene	<690	ug/Kg				
1,1-Dichloroethane	<690	ug/Kg				
1,2-Dichloroethane						
1,1-Dichloroethene	<690	ug/Kg	•			
1,2-Dichloroethene (total)	<690	ug/Kg				
1,2-Dichloropropane	<690	ug/Kg				
cis-1,3-Dichloropropene	<690	ug/Kg ug/Kg				
trans-1,3-Dichloropropene	<690	* -				
Ethylbenzene	<690	ug/Kg				•
2-Hexanone	<3400	ug/Kg				
4-Methyl-2-pentanone (MIBK	<3400	ug/Kg				
Methylene Chloride	<690	ug/Kg				
Styrene	<690	ug/Kg				
1,1,2,2-Tetrachloroethane	<690	ug/Kg				
Tetrachloroethene	<690	ug/Kg				
Toluene	<690 <690	ug/Kg ug/Kg				
1,1,1-Trichloroethane		_				
1,1,2-Trichloroethane	<690	ug/Kg ug/Kg				
Trichloroethene	<690					
Trichlorofluoromethane	<690	ug/Kg				
Vinyl Acetate	<690	ug/Kg				
Vinyt Chloride	<690	ug/Kg				
m-Xylene	<690	ug/Kg				
o-Xylene	<690	ug/Kg				
p-Xyliene	<690	ug/Kg				

NOTE: Sample diffused due to presence of non-target compounds.

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94-04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-11-07

NET Sample

e Mot = 113906			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	<400	ug/Kg	12/15/1994	170	407	jcg
Acenaphthylene	<400	ug/Kg				
Anthracene	<400	ug/Kg				
Benzidine	<400	ug/Kg				
Benzo(a)Anthracene	<400	ug/Kg				
Benzo(a)Pyrene	<400	ug/K9				
Benzo(b)Fluoranthene	<400	ug/Kg				
Benzo(g,h,i)Perylene	<400	ug/Kg				
Benzo(k)Fluoranthene	<400	ug/Kg				
Benzoic Acid	<400	ug/Kg				
Benzyl Alcohol	<400	ug/Kg				
4-Bromophenyl-phenylether	<400	ug/Kg	•			
Butylbenzylphthalate	<400	ug/Kg				•
4-Chloro-3-Nethylphenol	<400	ug/Kg				
4-Chloroaniline	<400	ug/Kg				
bis(2-Chloroethoxy)Methane	<400	ug/Kg				
bis(2-Chloroethyl)Ether	<400	ug/Kg				
bis(2-Chloroisopropyl)Ether	<400	ug/Kg				
2-Chloronaphthalene	<400	ug/Kg				
2-Chlorophenol	. <400	ug/Kg				
4-Chlorophenyl-phenylether	<400	ug/Kg				
• • •	<400	ug/Kg				
Chrysene	970	ug/Kg				
Di-n-Butylphthalate Di-n-Octyl Phthalate	<400	ug/Kg				
Dibenz(a,h)Anthracene	<400	ug/Kg				
Dibenzofuran	470	ug/Kg				
	<400	ug/Kg				
1,2-Dichlorobenzene	<400	ug/Kg				
1,3-Dichlorobenzene	<400	ug/Kg				
1,4-Dichtorobenzene	<400	ug/Kg				
3,3'-Dichlorobenzidine	<400	ug/Kg				
2,4-Dichlorophenol	<400	ug/Kg				
Diethylphthalate	<400	ug/Kg				
Dimethyl Phthalate	<400	ug/Kg				
2,4-Dimethylphenol	<400	ug/Kg				
4,6-Dinitro-2-Methylphenol	<400	ug/Kg				
2,4-Dinitrophenol	<400	ug/Kg				
2,4-Dinitrotoluene	<400	ug/Kg				
2,6-Dinitrotoluene	<400	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<400	ug/Kg				
Fluoranthene	<400	ug/Kg				
Fluorene	<460	ug/Kg				
	٠.	ug/Kg				
Head biorobutediene	<600	ug/Kg ug/Kg				
Howachtenecyclopentadiene	<400 <400	ug/Kg				
Hexachlerosthane	<409	ug/Kg ug/Kg				
Indenu(1,2,5-cd)Pyrene	<400					
Exepherene	<400	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: \$3-11-07

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
0.00.10.10.10.10.10.10.10.10.10.10.10.10	11000	ug/Kg				
2-Methylnaphthalene		ug/Kg	12/15/1994	170	407	jcg
2-Methylphenol	<400		12/13/17/4	1,0	401	,-9
4-Methylphenol	<400	ug/Kg				
N-Nitroso-di-n-Propylamine	<400	ug/Kg				
N-Nitrosodimethylamine	<400	ug/Kg				
N-Nitrosodiphenylamine	<400	ug/Kg				
Naphthalene	4400	ug/Kg				
2-Nitroaniline	<400	ug/Kg				
3-Nitroaniline	<400	ug/Kg				
4-Nitroaniline	<400	ug/Kg				
Nitrobenzene	<400	ug/Kg		•		
2-Nitrophenol	<400	ug/Kg				
4-Nitrophenol	<400	ug/Kg				
Pentachlorophenol	<400	ug/Kg				
Phenanthrene	<400	ug/Kg				
Phenol	<400	ug/Kg				
Pyrene	<400	ug/Kg				
1,2,4-Trichlorobenzene	<400	ug/Kg				
2,4,5-Trichtorophenol	<400	ug/Kg				
2,4,6-Trichlorophenol	<400	ug/Kg				

Report Date: 12/27/1994

Report To: Ameptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: S3-11-12

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals, Priority P	ollutants S	EPA SW846	12/07/1994		12/07/1994		41	ecw
Solid Dig. SW846,		sw846,3050	12/08/1994	date	12/08/1994			gsw
Solid Dig. SW846		SW846,3050	12/08/1994	date	12/08/1994			gsw
Antimony (Sb)	846 ICP S		<6.9	mg/Kg	12/09/1994	3119cs	141	2mb
Arsenic (As)			<2.3	mg/Kg	12/13/1994	3119cs	58	graf t
	846 ICP S		0.68	mg/Kg	12/09/1994	3119cs	138	<b>Gusb</b>
Beryllium (Be)	846 ICP S		<0.69	mg/Kg	12/09/1994	3119cs	168	grap
Cadmium (Cd)	846 ICP S		3.9	mg/Kg	12/09/1994	3119cs	171	gmp
Chromium (Cr)	846 ICP S	·	11	mg/Kg	12/09/1994	3119cs	170	gmp
Copper (Cu)			<8.0	mg/Kg	12/09/1994	3119cs	185	Sub
Lead (Pb)	846 ICP S		<0.11	mg/Kg	12/13/1994	3119cs	156	dra
Mercury (Hg)	846 CVAA S		4.3	mg/Kg	12/09/1994			gmp
Nickel (Ni)	846 ICP S			mg/Kg	12/13/1994			mət
Selenium (Se)	846 GFAA S		<1.1		12/09/1994			gesp
Silver (Ag)	846 ICP S		<0.69	mg/Kg				mut
Thallium (Tl)	846 GFAA S	SW846 furnace, 7000	<2.3·	mg/Kg	12/12/1994			
Zinc (Zn)	846 ICP S	SW846 ICP, 6010	17	mg/Kg	12/09/1994			gap
EX Acid/Base/Neu	trals 8270 S	sw-846, 3500	12/13/1994	date	12/13/1994	exabn_	•	kam

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-11-12

NET Sample No: 113907

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics 5100 ug/Kg 12/15/1994 4 ump

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-11-12

NET Sample No: 113907

			Analysis	Prep	Run	
Parameter	Result	Units	Date		Batch	Analyst
						· · · · · · · · · ·
TCL Volatiles by GC/MS 8240 S					174	
Acetone	<140	υg/Kg	12/10/1994		631	jpt
Benzene	<29.	ug/Kg				
Bromodichloromethane	<29.	ug/Kg				
Bromoform	<29.	ug/Kg				
Bromomethane	<29.	ug/Kg				
2-Butanone (MEK)	<140	ug/Kg				
Carbon Disulfide	<29.	ug/Kg				
Carbon Tetrachloride	<29.	ug/Kg				
Chlorobenzene	<29.	ug/Kg				
Chloroethane	<29.	ug/Kg				
2-Chloroethylvinyl ether	<29.	ug/Kg				
Chloroform	<29.	ug/Kg				
Chloromethane	<29.	ug/Kg				
Dibromochloromethane	<29.	ug/Kg				
1,2-Dichlorobenzene	<29.	ug/Kg				
1.3-Dichlorobenzene	<29.	ug/Kg				
1.4-Dichlorobenzene	<29.	ug/Kg				
1,1-Dichloroethane	<29.	ug/Kg				
1.2-Dichloroethane	<29.	ug/Kg				
1,1-Dichloroethene	<29.	ug/Kg				
1,2-Dichloroethene (total)	<29.	ug/Kg	•			
1,2-Dichloropropane	<29.	ug/Kg				
cis-1,3-Dichloropropene	<29.	ug/Kg				
trans-1,3-Dichloropropene	<29.	ug/Kg				
Ethylbenzene	<29.	ug/Kg				
2-Hexanone	<140	ug/Kg				
4-Methyl-2-pentanone (MIBK	<140	ug/Kg				
Methylene Chloride	<29.	ug/Kg				
Styrene	<29.	uą/Kg				
1,1,2,2-Tetrachloroethane	<29.	ug/Kg				
Tetrachloroethene	<29.	ug/Kg				
Toluene	<29.	ug/Kg				
1,1,1-Trichloroethane	<29.	ug/Kg				
1,1,2-Trichloroethane	<29.	ug/Kg				
Trichloroethene	<29.	ug/Kg				
Trichlorofluoromethane	<29.	ug/Kg				
Vinyl Acetate	<29.	ug/Kg				
Vinyl Chloride	<29.	ug/Kg				
m-Xylene	<29.	ug/Kg				
o-Xytene	<29.	ug/Kg			•	
p-Xytene	<29.	ug/Kg				

NOTE: Analyzed on dilution due to high concentration of non-target analyses.

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample 10: SB-11-12

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Satch	Analyst
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	<40	ug/Kg	12/15/1994	170	407	jcg
Acenaphthylene	<40	ug/Kg				
Anthracene	<40	ug/Kg				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40	ug/Kg				
Benzo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Senzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluorenthene	<40	ug/Kg				
Senzoic Acid	81	ug/Kg				
Benzyl Alcohol	<40	ug/Kg				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Methylphenol	<40	ug/Kg				
4-Chloroaniline	<40	ug/Kg				
bis(2-Chloroethoxy)Methane	<40	ug/Kg				
bis(2-Chloroethyl)Ether	<40	ug/Kg				
bis(2-Chloroisopropyl)Ether	<40	ug/Kg				
2-Chloronaphthalene	<40	ug/Kg				
2-Chlorophenol	<40	ug/Kg				
4-Chlorophenyl-phenylether	<40	ug/Kg	•			
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	780	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg				
Dibenz(a,h)Anthracene	<40	ug/Kg				
Dibenzofuran	<40	ug/Kg				
1.2-Dichlorobenzene	<40	ug/Kg				
1,3-Dichlorobenzene	<40	ug/Kg				
1,4-Dichlorobenzene	<40	ug/Kg				
3.3'-Dichlorobenzidine	<40	ug/Kg				
2.4-Dichlorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2,4-Dimethytphenol	<40	ug/Kg				
4.6-Dinitro-2-Methylphenol	<40	ug/Kg				
2,4-Dinitrophenol	<40	ug/Kg				
· .	<40	ug/Kg				
2,4-Dinitrotoluene 2,6-Dinitrotoluene	<40	ug/Kg				
bis(2-Ethylhexyl)Phthalate	48	ug/Kg				
Fluoranthene	<40	ug/Kg				
Fluorene	<40	ug/Kg				
Hexachter obvictions	440	ug/Kg				
	<b>₹</b> <40	ug/Kg				
Hexhentorobusedsess Hexhentorobysiopentadiene	* <=5 <40	ug/Kg				
Hexachlaractheae	549 849	eg/Kg				
CONTRACTOR OF CONTRACTOR POR	· J	•				
Indemn(1,3,3 od)Pytebe	k40	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: S8-11-12

: 401 113907			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	96	ug/Kg				
2-Methylphenol	<40	ug/Kg	12/15/1994	170	407	jcg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg				
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	<40	ug/Kg				
Naphthalene	<40	ug/Kg				
2-Nitroaniline	<40	ug/Kg				
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40	ug/Kg				
Phenanthrene	<40	ug/Kg				
Phenot	<40	υg/Kg				
Pyrene	<40	ug/Kg				
1,2,4-Trichlorobenzene	<40	ug/Kg				
2,4,5-Trichlorophenol	<40	ug/Kg				•
2,4,6-Trichlorophenol	<40	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: \$8-12-07

Parameter			Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals, Priority P	ollutants 9	 S	EPA SW846	12/07/1994		12/07/1994		41	ecw
Solid Dig. SW846,		s	SW846,3050	12/08/1994	date	12/08/1994	3119cs		gsw
Solid Dig. SW846		-	SW846,3050	12/08/1994	date	12/08/1994	3119cs	:	gsw
Antimony (Sb)	846 ICP		SW846 ICP, 6010	<6.8	mg/Kg	12/09/1994	3119cs	141	<b>Guib</b>
Antimony (SD) Arsenic (As)	846 GFAA :		SW846 furnace, 7000	<2.3	mg/Kg	12/13/1994	3119cs	58	Tuen
Beryllium (Be)	846 ICP		SW846 ICP, 6010	0.86	mg/Kg	12/09/1994	3119cs	138	gmb
Cadmium (Cd)	846 ICP		SW846 ICP. 6010	<0.68	mg/Kg	12/09/1994	3119cs	168	gmp
Chromium (Cr)	846 ICP		SW846 ICP, 6010	4.4	mg/Kg	12/09/1994	3119cs	171	amb.
Copper (Cu)	846 ICP		SW846 ICP, 6010	9.2	mg/Kg	12/09/1994	3119cs	170	gmp
• •	846 ICP		SW846 ICP. 6010	<7.9	mg/Kg	12/09/1994	3119cs	185	gu:b
Lead (Pb)	846 CVAA		SW846 cold vapor, 7471	<0.11	mg/Kg	12/13/1994	3119cs	156	drm
Mercury (Hg)	846 ICP		SW846 ICP. 6010	5.1	mg/Kg	12/09/1994	3119cs	149	gmp
Nickel (Ni)	846 GFAA		SW846 furnace, 7000	<1.1	mg/Kg	12/13/1994	3119cs	: 56	THAT!
Selenium (Se)	846 ICP		SW846 1CP, 6010	<0.68	mg/Kg	12/09/1994	3119cs	146	gmp
Silver (Ag)			SW846 furnace, 7000	<2.3	mg/Kg	12/12/1994	3119cs	s 48	Jun
Thallium (Tl)	846 GFAA		SW846 ICP, 6010	17	mg/Kg	12/09/1994			gmp
Zinc (Zn) EX Acid/Base/Neu	846 ICP trals 8270		su-846, 3500	12/13/1994	date	12/13/1994			kam

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

12/15/1994

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-12-07

MET Sample Mo: 113908

Analysis Prep Date Batch Batch Analyst Result Units Parameter

<2800

ug/Kg

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-12-07

MET Sample Mo: 113908

e MO: 113900		_	Analysis	Run	41
Parameter	Result	Units	Date	 Batch	Analyst
TCL Volatiles by GC/MS 8240 S					
Acetone	<30.	ug/Kg	12/10/1994	631	jpt
Benzene	<6.0	ug/Kg			
Bromodichloromethane	<6.0	ug/Kg			
Bromoform	<6.0	ug/Kg			
Bromomethane	<6.0	ug/Kg			
2-Butanone (MEK)	<30.	ug/Kg			
Carbon Disulfide	<6.0	ug/Kg			
Carbon Tetrachloride	<6.0	ug/Kg			
Chlorobenzene	<6.0	ug/Kg			
Chloroethane	<6.0	ug/Kg			
2-Chloroethylvinyl ether	<6.0	ug/Kg	• •		
Chloroform	<6.0	ug/Kg			
Chloromethane	<6.0	ug/Kg			
Dibromochloromethane	<6.0	ug/Kg			
1,2-Dichlorobenzene	<6.0	ug/Kg			
1,3-Dichlorobenzene	<6.0	ug/Kg			
1.4-Dichlorobenzene	<6.0	ug/Kg			
1.1-Dichloroethane	<6.0	ug/Kg			
1,2-Dichloroethane	<6.0	ug/Kg			
1,1-Dichloroethene	<6.0	ug/Kg			
1.2-Dichloroethene (total)	<6.0	ug/Kg			
1,2-Dichloropropane	<6.0	ug/Kg			
cis-1,3-Dichloropropene	<6.0	ug/Kg			
trans-1,3-Dichloropropene	<6.0	ug/Kg			
Ethylbenzene	<6.0	ug/Kg			
2-Hexanone	<30.	ug/Kg			
4-Methyl-2-pentanone (MIBK	<30.	ug/Kg			
Methylene Chloride	<6.0	ug/Kg			
Styrene	<6.0	ug/Kg			
1,1,2,2-Tetrachloroethane	<6.0	ug/Kg			
Tetrachloroethene	<6.0	ug/Kg			
Toluene	<6.0	ug/Kg			
1,1,1-Trichloroethane	<6.0	ug/Kg			
1,1,2-Trichloroethane	<6.0	ug/Kg			
Trichloroethene	<6.0	ug/Kg			
Trichlorofluoromethane	<6.0	ug/Kg			
Vinyl Acetate	<6.0	ug/Kg			
Vinyl Chloride	<6.0	ug/Kg			
m-Xylene	<6.0	ug/Kg			
o-Xylene	<6.0	ug/Kg			
p-Xylane	<0.0>	ug/Kg			

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: \$8-12-07

No: 113908		) ) <u></u>	Analysis	Prep Batch	Run Batch	Analys
Parameter 	Result	Units	Date	00(1)	DOLUM	
TCL Acid/Base/Neutrals 8270 S				470	107	•
Acenaphthene	<40	ug/Kg	12/15/1994	170	407	jcg
Acenaphthylene	<40	ug/Kg				
Anthracene	<40	ug/Kg				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40	ug/Kg				
Benżo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Benzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluoranthene	<40	· ug/Kg				
Benzoic Acid	64	ug/Kg				
Benzyl Alcohol	<40	ug/Kg				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Methylphenol	<40	ug/Kg				
4-Chloroaniline	<40	ug/Kg		*		
bis(2-Chloroethoxy)Methane	<40	ug/Kg				
bis(2-Chloroethyl)Ether	<40	ug/Kg				
bis(2-Chloroisopropyl)Ether	<40	ug/Kg				
2-Chloronaphthalene	<40	ug/Kg				
2-Chlorophenol	<40	ug/Kg				
4-Chlorophenyl-phenylether	<40	ug/Kg				
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	<40	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg				
Dibenz(a,h)Anthracene	<40	ug/Kg				
Dibenzofuran	<40	ug/Kg				
1,2-Dichlorobenzene	<40	ug/Kg	•			
1,3-Dichlorobenzene	<40	ug/Kg ,				
1.4-Dichlorobenzene	<40	ug/Kg				
3,3'-Dichlorobenzidine	<40	ug/Kg				
2,4-Dichlorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2,4-Dimethylphenol	<40	ug/Kg				
4,6-Dinitro-2-Methylphenol	<40	ug/Kg				
2,4-Dinitrophenol	<40	ug/Kg				
2.4-Dinitrotoluene	<40	ug/Kg				
2,6-Dinitrotoluene	<40	სე/Kg				
bis(2-Ethylhexyl)Phthalate	53	ug/Kg				
Fluoranthene	<40	ug/Kg				
Fluorene	<40	ug/Kg				
Rexachtorobenzene	440	ug/Kg				
	· <40	ug/Kg				
Hexachterocyclopentadiene	<40	ug/Kg				
Hexachloroethane	<40	ug/Kg				
Indeno(1,2,3-cd)Pyrene	<40	ug/Kg				
Esophonone	<40	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94-04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-12-07

5 801 133703			Analysis	Prep	Run	analyer
Parameter	Result	Units	Date	Batch	Batch	Analyst 
2-Methylnaphthalene	<40	ug/Kg				
2-Methylphenol	<40	ug/Kg	12/15/1994	170	407	jcg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg				
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	<40	ug/Kg				
Naphthalene	<40	ug/Kg				
2-Nitroaniline	<40	ug/Kg				
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40	ug/Kg				
Phenanthrene	<40	ug/Kg				
Phenol	<40	ug/Kg				
Pyrene	<40	υg/Kg				
1,2,4-Trichlorobenzene	<40	υg/Kg				
2,4,5-Trichlorophenol	<40	ug/Kg				
2,4,6-Trichlorophenol	<40	ug/Kg				

Report Date: 12/27/1994

Report To: Ameptek

NET Job No: 94.04061

Project: No. Smithfield RI AMS Station

Date Rec'd: 12/07/1994

Sample ID: \$8-12-12

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals,Priority P	ollutants S	EPA SW846	12/07/1994		12/07/1994		41	ecw
solid Dig. SW846,		SN846,3050	12/08/1994	date	12/08/1994	3119cs		gsH
Solid Dig. SW846		su846,3050	12/08/1994	date	12/08/1994	3119cs		gs₩
Intimony (Sb)	846 ICP S	SW846 ICP, 6010	<6.9	mg/Kg	12/09/1994	3119cs	141	<b>dub</b>
Arsenic (As)		SW846 furnace, 7000	<2.3	mg/Kg	12/13/1994	3119cs	58	met
Beryllium (Se)	846 ICP S	SW846 ICP, 6010	0.67	mg/Kg	12/09/1994	3119cs	138	gmp
admium (Cd)	846 ICP S	SW846 ICP, 6010	<0.69	mg/Kg	12/09/1994			aub
Chromium (Cr)	846 ICP S	SW846 ICP, 6010	3 <b>.3</b>	mg/Kg	12/09/1994	3119cs	171	gmp
Copper (Cu)	846 ICP S	SW846 ICP, 6010	24	mg/Kg	12/09/1994	3119cs	170	gmp
ead (Pb)	846 ICP S	SW846 ICP, 6010	8.7	mg/Kg	12/09/1994	3119cs	185	<b>Guib</b>
Rercury (Hg)	846 CVAA S	SW846 cold vapor, 7471	<0.11	mg/Kg	12/13/1994	3119cs	156	drm
lickel (Ni)	846 ICP S	SW846 ICP, 6010	3.7	mg/Kg	12/09/1994	3119cs	149	grap
Selenium (Se)	846 GFAA S	SW846 furnace, 7000	<1.1	mg/Kg	12/13/1994	3119cs	56	mut
Silver (Ag)	846 ICP S	SW846 ICP, 6010	<0.69	mg/Kg	12/09/1994	3119cs	146	gmp
Thallium (Tl)	~ 846 GFAA S	SW846 furnace, 7000	<2.3	mg/Kg	12/12/1994	3119cs	48	mut
Zīnc (Zn)	846 ICP S	SW846 ICP, 6010	23	mg/Kg	12/09/1994	3119cs	159	gmp
EX Acid/Base/Neut		sv-846, 3500	12/13/1994	date	12/13/1994	exabn_		kam

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-12-12

NET Sample No: 113909

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics <2800 ug/Kg 12/15/1994 4 ump

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-12-12

g NO: 113707			Analysis	Prep	Run	
Parameter	Result	Units	Date		Satch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<30.	ug/Kg	12/10/1994		631	jpt
Benzene	<6.0	ug/Kg				
Bromodichloromethane	<6.0	ug/Kg				
Bromoform	<6.0	ug/Kg				
Bromomethane	<6.0	ug/Kg				
2-Butanone (MEK)	<30.	ug/Kg				
Carbon Disulfide	<6.0	ug/Kg				
Carbon Tetrachloride	<6.0	ug/Kg				
Chlorobenzene	<6.0	ug/Kg				
Chloroethane.	<6.0	ug/Kg				
2-Chloroethylvinyl ether	<6.0	ug/Kg				
Chloroform	<6.0	ug/Kg				
Chloromethane	<6.0	ug/Kg				
Dibromochloromethane	<6.0	ug/Kg				
1,2-Dichlorobenzene	<6.0	ug/Kg				
1.3-Dichlorobenzene	<6.0	ug/Kg				
1,4-Dichlorobenzene	<6.0	ug/Kg				
1.1-Dichloroethane	<6.0	ug/Kg				
1,2-Dichloroethane	<6.0	ug/Kg				
1,1-Dichloroethene	<6.0	ug/Kg				
1,2-Dichloroethene (total)	<6.0	. ug/Kg				
1,2-Dichloropropane	<6.0	ug/Kg				
cis-1,3-Dichloropropene	<6.0	ug/Kg				
trans-1,3-Dichloropropene	<6.0	ug/Kg				
Ethylbenzene	<6.0	ug/Kg				
2-Hexanone	<30.	ug/Kg				
4-Hethyl-2-pentanone (MIBK	<30.	ug/Kg				
Methylene Chloride	<6.0	ug/Kg				
Styrene	<6.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<6.0	ug/Kg				
Tetrachloroethene	<6.0	ug/Kg				
Toluene	<6.0	ug/Kg				
1,1,1-Trichloroethane	<6.0	ug/Kg				
1,1,2-Trichloroethane	<6.0	ug/Kg				
Trichloroethene	<6.0	ug/Kg				
· Trichlorofluoromethane	<6.0	ug/Kg				
Vinyl Acetate	<6.0	ug/Kg				
Vinyl Chloride	<6.0	ug/Kg				
m-Kytene	< 5.0	ug/Kg				
o-Xylene	<6.0	ug/Kg	-			
p-Xytene	<5.0	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: \$8-12-12

e No: 113909			h1i.a	D===	200	
	n . la	Umina	Analysis		Run Satch	taalver
Parameter	Result	Units	Date	battii	Satth	Analyst
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
TCL Acid/Base/Neutrals 8270 S		//-	12/15/1994	170	407	jcg
Acenaphthene	<40	ug/Kg	12/13/1994	170	401	Jug
Acenaphthylene	<40	ug/Kg				
Anthracene	<40	ug/Kg				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40	ug/Kg				
Benzo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Benzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluoranthene	<40	ug/Kg				
Benzoic Acid	<40	ug/Kg				
Benzyl Alcohol	<40	ug/Kg				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Nethylphenol	<40	ug/Kg				
4-Chloroaniline	<40	ug/Kg				
bis(2-Chloroethoxy)Methane	<40	ug/Kg				
bis(2-Chloroethyl)Ether	<40	ug/Kg				
bis(2-Chloroisopropyl)Ether	<40	ug/Kg				
2-Chloronaphthalene	<40	ug/Kg				
2-Chlorophenol	<49	ug/Kg				
4-Chlorophenyl-phenylether	<40	ug/Kg				
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	<40	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg				
Dibenz(a,h)Anthracene	<40	ug/Kg				
Dibenzofuran	<40	ug/Kg				
1.2-Dichlorobenzene	<40	ug/Kg	•			
1.3-Dichlorobenzene	<40	ug/Kg				
1,4-Dichlorobenzene	<40	ug/Kg				
3.3'-Dichlorobenzidine	<40	ug/Kg				
2.4-Dichtorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2,4-Dimethylphenol	<40	ug/Kg				
4,6-Dinitro-2-Methylphenol	<40	ug/Kg				
2,4-Dinitrophenol	<40	ug/Kg				
· ·	<40					
2,4-Dinitrotoluene	<40	ug/Kg ug/Kg				
2,6-Dinitrotoluene bis(2-Ethylhexyl)Phthalate	31	ug/Kg				
·	<40					
Fluoranthene	<40	ug/Kg ug/Kg				
fluorene	<40 <40					•
Mexachtorobenzane		ug/Kg				
	•	ug/Kg				
Hexachlorocyclopentadiana	<40	ug/Kg				
Hexachloroethane	<46 <40	ug/Kg				
Indene(1,2,3-cd)Pyrene		ug/Kg				
Isaphorane	<40	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-12-12

No: 115969 Parameter	Result Units		Analysis Date	Prep Batch	Run Batch	Analyst
2-Methylnaphthalene	<40	ug/Kg				
2-Methylphenol	<40	ug/Kg	12/15/1994	170	407	jcg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg				
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	<40	ug/Kg				
Naphthalene	<40	ug/Kg				
2-Nitroaniline	<40	ug/Kg				
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40	ug/Kg				
Phenanthrene	<40	ug/Kg				
Phenol	<40	ug/Kg	•			
Pyrene	<40	ug/Kg				
1,2,4-Trichlorobenzene	<40	ug/Kg				
2,4,5-Trichlorophenol	<40	ug/Kg				
2,4,6-Trichlorophenol	<40	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: \$8-13-2.5

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals, Priority P	Pollutants S	EPA SW846	12/07/1994		12/07/1994		 41	ecu
Solid Dig. SW846,	,3050 s	SW846,3050	12/08/1994	date	12/08/1994	3119cs		gsu
Solid Dig. SW846	GFAA, 3050 S	SW846,3050	12/08/1994	date	12/08/1994	3119cs		gsw
Antimony (Sb)	846 ICP S	SW846 ICP, 6010	<6.3	mg/Kg	12/09/1994	3119cs	141	gmp
Arsenic (As)	846 GFAA S	SW846 furnace, 7000	<2.1	mg/Kg	12/13/1994	3119cs	58	mert
Beryllium (Be)	846 ICP S	SW846 ICP, 6010	0.80	mg/Kg	12/09/1994	3119cs	138	gmp
Cadmium (Cd)	846 ICP S	SW846 ICP, 6010	<0.63	mg/Kg	12/09/1994	3119cs	168	grap
Chromium (Cr)	846 ICP S	SW846 ICP, 6010	13	mg/Kg	12/09/1994	3119cs	171	gmp
Copper (Cu)	846 ICP S	SW846 ICP, 6010	14	mg/Kg	12/09/1994	3119cs	170	gmp
Lead (Pb)	846 ICP \$	SW846 ICP, 6010	12	mg/Kg	12/09/1994	3119cs	185	gmp
Mercury (Hg)	846 EVAA S	SW846 cold vapor, 7471	<0.10	mg/Kg	12/13/1994	3119cs	156	drm
Nickel (Ni)	846 ICP S	SW846 ICP, 6010	11	mg/Kg	12/09/1994	3119cs	149	gmp
Selenium (Se)	846 GFAA S	SW846 furnace, 7000	<1.0	mg/Kg	12/13/1994	3119cs	56	mwt
Silver (Ag)	846 ICP S	SW846 ICP, 6010	<0.63	mg/Kg	12/09/1994	3119cs	146	gmp
Thallium (Tl)	846 GFAA S	SW846 furnace, 7000	<2.1	mg/Kg	12/12/1994	3119cs	48	mut
Zinc (Zn)	846 ICP S	SW846 ICP, 6010	27	mg/Kg	12/09/1994			gmp
EX Acid/Base/Neut	rals 8270 S	SW-846, 3500	12/13/1994	date	12/13/1994	exabn_		kam

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-13-2.5

MET Sample No: 113910

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics <2600 ug/Kg 12/15/1994 4 ump

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-13-2.5

5 NOT 113410			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						_
Acetone	<25	ug/Kg	12/10/1994		631	jpt
Benzene	<5.0	ug/Kg				
Bromodichloromethane	<5.0	ug/Kg				
Bromoform	<5.0	ug/Kg				
Bromomethane	<5.0	ug/Kg				
2-Butanone (MEK)	<25	ug/Kg				
Carbon Disulfide	<5.0	ug/Kg				
Carbon Tetrachloride	<5.0	ug/Kg				
Chlorobenzene	<5.0	ug/Kg				
Chloroethane	<5.0	ug/Kg				
2-Chloroethylvinyl ether	<5.0	ug/Kg				
Chloroform	<5.0	ug/Kg				
Chloromethane	<5.0	ug/Kg				
Dibromochloromethane	<5.0	ug/Kg				
1.2-Dichlorobenzene	<5.0	ug/Kg				
1.3-Dichlorobenzene	<5.0	ug/Kg				
1.4-Dichlorobenzene	<5.0	ug/Kg				
1.1-Dichloroethane	<5.0	ug/Kg				
1,2-Dichloroethane	<5.0	ug/Kg				
1,1-Dichloroethene	<5_0	ug/Kg				
1.2-Dichloroethene (total)	<5.0	ug/Kg			*	
1.2-Dichloropropane	<5.0	ug/Kg				
cis-1.3-Dichloropropene	<5.0	ug/Kg				
trans-1,3-Dichloropropene	<5.0	ug/Kg				
Ethylbenzene	<5.0	ug/Kg				
2-Hexanone	<25	ug/Kg				
4-Methyl-2-pentanone (MIBK	<25	ug/Kg				
Methylene Chloride	<5.0	ug/Kg				
Styrene	<5.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<5.0	ug/Kg				
Tetrachloroethene	<5.0	ug/Kg				
Toluene	59	ug/Kg				
1,1,1-Trichloroethane	<5.0	ug/Kg				
1,1,2-Trichloroethane	<5.0	ug/Kg				
Trichloroethene	<5.0	ug/Kg				
Trichlorofluoromethane	<5.0	ug/Kg				
Vinyl Acetate	<5.0	ug/Kg				
Vinyl Ehloride	<5.0	ug/Kg				
m-Xýtene	<del>45</del> .0	ug/Kg				
o-Xylene	<5.0	ug/Kg				
p-Mylene	<5.0	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: \$8-13-2.5

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	<200	ug/Kg	12/15/1994	170	407	jcg
Acenaphthylene	<200	ug/Kg				
Anthracene	<200	ug/Kg				
Benzidine	<200	υg/Kg				
Benzo(a)Anthracene	240	ug/Kg				
Benzo(a)Pyrene	220	ug/Kg				
Benzo(b)Fluoranthene	210	ug/Kg				
Benzo(g,h,i)Perylene	<200	ug/Kg				
Benzo(k)Fluoranthene	190	ug/Kg				
Benzoic Acid	<200	ug/Kg				
Benzyl Alcohol	<200	ug/Kg				
4-Bromophenyl-phenylether	<200	ug/Kg				
Butylbenzylphthalate	<200	ug/Kg				
4-Chloro-3-Methylphenol	<200	ug/Kg				•
4-Chloroaniline	<200	ug/Kg				
bis(2-Chloroethoxy)Methane	<200	ug/Kg				
bis(2-Chloroethyl)Ether	<200	ug/Kg				
bis(2-Chloroisopropyl)Ether	<200	ug/Kg				
2-Chloronaphthalene	<200	ug/Kg				
2-Chlorophenol	<200	ug/Kg				
4-Chlorophenyl-phenylether	<200	ug/Kg				
Chrysene	310	ug/Kg				
Di-n-Butylphthalate	<200	ug/Kg				
Di-n-Octyl Phthalate	<200	ug/Kg				
Dibenz(a,h)Anthracene	<200	ug/Kg		•		
Dibenzofuran	<200	ug/Kg				
1,2-Dichlorobenzene	<200	ug/Kg				
	<200	ug/Kg				
1,3-Dichlorobenzene 1,4-Dichlorobenzene	<200	ug/Kg				
3,3'-Dichtorobenzidine	<200	ug/Kg				
2,4-Dichlorophenot	<200	ug/Kg				
Diethylphthalate	<200	ug/Kg				
Dimethyl Phthalate	<200	ug/Kg				
2,4-Dimethylphenol	<200	ug/Kg				
4,6-Dinitro-2-Methylphenol	<200	ug/Kg				
2,4-Dinitrophenol	<200	ug/Kg				
2,4-Dinitrotoluene	<200	ug/Kg				
2,5-Dinitrotoluene	<200	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<200	ug/Kg				
Fluoranthene	590	ug/Kg				
Fluorene	<290	ug/Kg				
	<200					
Hexachlerosons by Hexachlerosotsediene	* <200	ug/Kg ug/Kg				
Hexachtonocyclopentadiene	<200	ug/Kg				
Hexachtorocthom	420 <b>0</b>	ug/Kg				
Indens(1,2,3+cd)Pyrene	<200 <200	ug/Ka				
Inophonone	<200	ug/Kg				
a magazata on de	- <u>-</u> UU	137.117				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: \$5-13-2.5

014611 108 5			Analysis	Prep	Run	Anntur
Parameter	Resul t	Units	Date	Satch	Batch	Analyst
2-Methylnaphthalene	<200	ug/Kg				
2-Methylphenol	<200	ug/Kg	12/15/1994	170	407	jcg
4-Methylphenol	<200	ug/Kg				
N-Nitroso-di-n-Propylamine	<200	ug/Kg				
N-Nitrosodimethylamine	<200	ug/Kg				
N-Nitrosodiphenylamine	<200	ug/Kg				
Naphthalene	<200	ug/Kg				
2-Nitroaniline	<200	ug/Kg				
3-Nitroaniline	<200	ug/Kg				
4-Nitroaniline	<200	ug/Kg				
Nitrobenzene	<200	ug/Kg				
2-Nitrophenol	<200	ug/Kg				
4-Nitrophenol	<200	ug/Kg				
Pentachlorophenol	<200	ug/Kg				
Phenanthrene	290	ug/Kg				
Phenol	<200	ug/Kg				
Pyrene ~	550	ug/Kg				
1,2,4-Trichlorobenzene	<200	ug/Kg				
2,4,5-Trichlorophenol	<200	ug/Kg				
2,4,6-Trichlorophenol	<200	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-13-07

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Satch	Analyst
					12/07/1994		41	ecw
Metals, Priority P	ollutants S	EPA SW846	12/07/1994					
Solid Dig. SW846,	3050 S	su846,3050	12/08/1994	date	12/08/1994			gsw
Solid Dig. SW846		sw846,3050	12/08/1994	date	12/08/1994			gsw
Antimony (Sb)	846 ICP S		<6.6	mg/Kg	12/09/1994	3119cs	141	amb
Arsenic (As)	846 GFAA S		<2.2	mg/Kg	12/13/1994	3119cs	- 58	mut
Beryllium (Be)	846 ICP S		0.62	mg/Kg	12/09/1994	3119cs	138	gmp
•	846 ICP S		<0.66	mg/Kg	12/09/1994	3119cs	168	дтр
Cadmium (Cd)	846 ICP S		3.0	mg/Kg '	12/09/1994	3119cs	171	gmp
Chromium (Cr)			27	mg/Kg	12/09/1994			grap
Copper (Cu)	846 ICP S	•	11	mg/Kg	12/09/1994			gmp
Lead (Pb)	846 ICP S		• •		12/13/1994			drm
Mercury (Hg)	846 CVAA S	SW846 cold vapor, 7471	<0.11	mg/Kg				
Nickel (Ni)	846 ICP S	SW846 ICP, 6010	6.6	mg/Kg	12/09/1994			gmp
Selenium (Se)	846 GFAA S	SW846 furnace, 7000	<1.1	mg/Kg	12/13/1994		,	Jum
Silver (Ag)	846 ICP S	SW846 ICP, 6010	<0.66	mg/Kg	12/09/1994	3119cs	: 146	<b>Garb</b>
Thallium (Tl)	846 GFAA S		<2.2	mg/Kg	12/12/1994	3119cs	: 48	met
	846 ICP S		16	mg/Kg	12/09/1994	3119cs	: 159	ga:p
Zinc (Zn) EX Acid/Base/Neu			12/13/1994	date	12/13/1994	exabn	-	kam

Report Date: 12/27/1994 .

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: \$8-13-07

WET Sample No: 113911

Analysis Prep

Batch Batch Analyst Units Date Resul t Parameter

ug/Kg

TPH (Purgable) 8015 - GRO S

<2700 Gasoline Range Organics

12/15/1994

ump

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-13-07

2			Analysis	Prep	Run	
Parameter	Result	Units	Date		Batch	Analyst
TCL Volatiles by GC/MS 8240 S						
Acetone	<25	ug/Kg	12/10/1994		631	jpt
Benzene	<5.0	ug/Kg				
Bromodichloromethane	<5.0	ug/Kg				
Bromoform	<5.0	ug/Kg				
Bromomethane	<5.0	ug/Kg				
2-Butanone (MEK)	<25	ug/Kg				
Carbon Disulfide	<5.0	ug/Kg				
Carbon Tetrachloride	<5.0	ug/Kg				
Chlorobenzene	<5.0	ug/Kg				
Chloroethane	<5.0	ug/Kg				
2-Chloroethylvinyl ether	<5.0	ug/Kg				
Chloroform	<5.0	ug/Kg				
Chloromethane	<5_0	ug/Kg				
Dibromochloromethane	<5.0	ug/Kg				
1,2-Dichlorobenzene	<5.0	ug/Kg				
1,3-Dichlorobenzene	<5.0	ug/Kg				
1,4-Dichlorobenzene	<5.0	ug/Kg				
1,1-Dichloroethane	<5.0	ug/Kg				
1,2-Dichloroethane	<5.0	ug/Kg				
1,1-Dichloroethene	<5.0	ug/Kg				
1,2-Dichloroethene (total)	<5.0	ug/Kg				
1,2-Dichloropropane	<5.0	ug/Kg				
cis-1,3-Dichloropropene	<5.0	ug/Kg				
trans-1,3-Dichloropropene	<5.0	ug/Kg				
Ethylbenzene	<5.0	ug/Kg				
2-Hexanone	<25	ug/Kg				
4-Methyl-2-pentanone (MIBK	<25	ug/Kg				
Methylene Chloride	<5.0	ug/Kg				
Styrene	<5.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<5.0	ug/Kg				
Tetrachloroethene	<5.0	ug/Kg				
Toluene	<5.0	ug/Kg				
1,1,1-Trichloroethane	<5.0	ug/Kg				
1,1,2-Trichloroethane	<5.0	ug/Kg				
Trichloroethene	<5.0	ug/Kg				
Trichlorofluoromethane	<5.0	ug/Kg				
Vinyl Acetate	<5.0	ug/Kg				
Vinyl Chloride	<5.0	ug/Kg				
W-Wytene	<5.0	ug/Kg				
o-Xylene	<5.0	ug/Kg				
p-Xylene	<5.0	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Date Rec'd: 12/07/1994

Project: No. Smithfield RI ANG Station

Esuphorene

MET Sample No: 113911

Sample ID: SB-13-07

Analysis Prep Date Batch Satch Units Result Parameter TCL Acid/Base/Neutrals 8270 S 407 170 ug/Kg 12/15/1994 jcg <200 Acenaphthene <200 ug/Kg Acenaphthylene ug/Kg <200 Anthracene <200 ug/Kg Benzidine <200 ug/Kg Benzo(a)Anthracene <200 ug/Kg Benzo(a)Pyrene <200 ug/Kg Benzo(b)Fluoranthene ug/Kg Benzo(g,h,i)Perylene <200 Benzo(k)Fluoranthene <200 ug/Kg <200 ug/Kg Benzoic Acid <200 ug/Kg Benzyl Alcohol <200 ug/Kg 4-Bromophenyl-phenylether <200 ug/Kg Butylbenzylphthalate <200 ug/Kg 4-Chloro-3-Methylphenol <200 ug/Kg 4-Chloroaniline <200 ug/Kg bis(2-Chloroethoxy)Methane <200 ug/Kg bis(2-Chloroethyl)Ether <200 ug/Kg bis(2-Chloroisopropyl)Ether <200 ug/Kg 2-Chloronaphthalene ug/Kg <200 2-Chlorophenol ug/Kg <200 4-Chlorophenyl-phenylether ug/Kg <200 Chrysene ug/Kg <200 Di-n-Butylphthalate <200 ug/Kg Di-n-Octyl Phthalate <200 ug/Kg Dibenz(a,h)Anthracene <200 ug/Kg Dibenzofuran <200 ug/Kg 1,2-Dichlorobenzene <200 ug/Kg 1,3-Dichlorobenzene <200 ug/Kg 1,4-Dichlorobenzene ug/Kg <200 3.3'-Dichlorobenzidine <200 ug/Kg 2.4-Dichlorophenol <200 ug/Kg Diethylphthalate <200 ug/Kg Dimethyl Phthalate <200 ug/Kg 2,4-Dimethylphenol <200 ug/Kg 4,6-Dinitro-2-Methylphenol <200 ug/Kg 2,4-Dinitrophenol <200 ug/Kg 2,4-Dinitrotaluene <200 ug/Kg 2,6-Dinitrotoluene <200 ug/Kg bis(2-Ethythexyl)Phthalate <200 ug/Kg Fluoranthene <200 ug/Kg Eluorene <200 ug/Kg Hexach!crobenzene ug/Kg <200 Hexach tensbut adhene ug/Kg <200 Bezachtsrasystopentadiene <200 ug/Kg Hezachloroethane <200 ug/Kg Indeno(1,2,5-cd)Pyrene ug/Kg

<200

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-13-07

C .401			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<200	ug/Kg				
2-Methylphenol	<200	ug/Kg	12/15/1994	170	407	jcg
4-Methylphenol	<200	ug/Kg				
N-Nitroso-di-n-Propylamine	<200	ug/Kg				
N-Nitrosodimethylamine	<200	ug/Kg				
N-Nitrosodiphenylamine	<200	ug/Kg				
Naphthalene	<200	ug/Kg				
2-Nitroaniline	<200	ug/Kg				
3-Nitroaniline	<200	ug/Kg				
4-Nitroaniline	<200	ug/Kg				
Nitrobenzene	<200	ug/Kg				
2-Nitrophenol	<200	ug/Kg				
4-Nitrophenol	<200	ug/Kg				
Pentachlorophenol	<200	ug/Kg				
Phenanthrene	<200	ug/Kg			•	
Phenol	<200	ug/Kg				
Pyrene ·	<200	ug/Kg				
1,2,4-Trichlorobenzene	<200	ug/Kg				
2,4,5-Trichlorophenol	<200	ug/Kg				
2,4,6-Trichlorophenol	<200	ug/Kg				•

Report Date: 12/27/1994

Report To: Anaptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample 10: \$3-14-07

Parameter	Method	Result	Units		Prep Batch	Run Batch	Analyst
Metals, Priority Pollutants S Solid Dig. SW846,3050 S Solid Dig. SW846 GFAA, 3050 S Antimony (Sb) 846 ICP S Arsenic (As) 846 GFAA S Seryllium (Be) 846 ICP S Cadmium (Cd) 846 ICP S Chromium (Cr) 846 ICP S Copper (Cu) 846 ICP S Lead (Pb) 846 ICP S Mercury (Hg) 846 ICP S Mickel (Ni) 846 ICP S Silver (Ag) 846 ICP S Silver (Ag) 846 ICP S Thallium (Tt) 846 GFAA S Zinc (Zn) 846 ICP S	EPA SW846 SW846,3050 SW846,3050 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010	12/07/1994 12/08/1994 12/08/1994 <6.7 <2.2 0.73 <0.67 3.8 20 9.5 <0.11 6.4 <1.1 <0.67 <2.2	date date mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/07/1994 12/08/1994 12/08/1994 12/09/1994 12/13/1994 12/09/1994 12/09/1994 12/09/1994 12/09/1994 12/13/1994 12/13/1994 12/13/1994 12/13/1994	3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs 3119cs	141 558 138 168 171 170 185 156 149 56 149 56 146 48 159	ecu gsu gsu gsu gmp mut gmp gmp drm gmp drm gmp mut gmp
EX Acid/Base/Neutrals 8270 S	su-846, 3500	12/13/1994	Gate	, 15, 177		-	

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

ump

Sample ID: \$8-14-07

NET Sample No: 113912

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics 3000 ug/Kg 12/15/1994

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Date Rec'd: 12/07/1994

Project: No. Smithfield RI ANG Station

Sample ID: SS-14-07

MET Sample Not 113912

No: 113912			Analysis		Run	A l
Parameter	Result	Units	Date	Batch	Batch	Analyst
TCL Volatiles by GC/MS 8240 S						_
Acetone	<30.	ug/Kg	12/09/1994		631	ĵpt
Benzene	<6.0	ug/Kg				
Bromodichloromethane	<6.0	ug/Kg				
Bromoform	<6.0	ug/Kg			•	
Bromomethane	<6.0	ug/Kg				
2-Butanone (MEK)	<30.	ug/Kg				
Carbon Disulfide	<6.0	ug/Kg				
Carbon Tetrachloride	<6.0	ug/Kg				
Chlorobenzene	<6.0	ug/Kg				
Chloroethane	<6.0	ug/Kg				
2-Chloroethylvinyl ether	<6.0	ug/Kg				
Chloroform	<6.0	ug/Kg				
Chloromethane	<6.0	ug/Kg				
Dibromochloromethane	<6.0	ug/Kg				
1,2-Dichlorobenzene	<6.0	υg/Kg				
1.3-Dichlorobenzene	<6.0	ug/Kg				
1,4-Dichlorobenzene	<6.0	ug/Kg				
1,1-Dichloroethane	<6.0	ug/Kg				
1,2-Dichloroethane	<6.0	ug/Kg				
1,1-Dichloroethene	<6.0	ug/Kg				
1,2-Dichloroethene (total)	<6.0	ug/Kg				
1,2-Dichloropropane	<6.0	ug/Kg				
cis-1,3-Dichloropropene	<6.0	ug/Kg				
trans-1,3-Dichloropropene	<6.0	ug/Kg				
Ethylbenzene	<6.0	ug/Kg				
2-Hexanone	<30.	ug/Kg				
4-Methyl-2-pentanone (MIBK	<30.	ug/Kg				
Methylene Chloride	<6.0	ug/Kg				
Styrene	<6.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<6.0	ug/Kg				
Tetrachloroethene	<6.0	ug/Kg				
Toluene	<6.0	ug/Kg				
1.1.1-Trichtoroethane	<6.0	ug/Kg				
1,1,2-Trichloroethane	<6.0	ug/Kg				
Trichloroethene	<6.0	ug/Kg				
Trichlorofluoromethane	<6.0	ug/Kg				
Vinyl Acetate	<6.0	ug/Kg				
Vinyl Chloride	<6.0	и9/К9				
m-Xylene	<6.0	ug/Kg				
o-Xytene	<6.0	ug/Kg	•			
p-Xylene	<6.0	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SB-14-07

e No: 113912			Analysis	Prep	Run	
Parameter	Result	Units	Date	-	Batch	Analyst
TCL Acid/Base/Neutrals 8270 S				470	107	•
Acenaphthene	<40	ug/Kg	12/15/1994	170	407	jcg
Acenaphthylene	<40	ug/Kg				
Anthracene	<40	ug/Kg				
Benzidine	<40	ug/Kg				
Benzo(a)Anthracene	<40	ug/Kg				
Benzo(a)Pyrene	<40	ug/Kg				
Benzo(b)Fluoranthene	<40	ug/Kg				
Benzo(g,h,i)Perylene	<40	ug/Kg				
Benzo(k)Fluoranthene	<40	ug/Kg				
Benzoic Acid	<40	ug/Kg				
Benzyl Alcohol	<40	ug/Kg				
4-Bromophenyl-phenylether	<40	ug/Kg				
Butylbenzylphthalate	<40	ug/Kg				
4-Chloro-3-Methylphenol	<40	ug/Kg				
4-Chloroaniline	<40	ug/Kg				
bis(2-Chloroethoxy)Methane	<40	ug/Kg				
bis(2-Chloroethyl)Ether	<40	ug/Kg				
bis(2-Chloroisopropyl)Ether	<40	ug/Kg				
2-Chloronaphthalene	<40	ug/Kg				
2-Chlorophenol	<40	ug/Kg				
4-Chlorophenyl-phenylether	<40	ug/Kg				
Chrysene	<40	ug/Kg				
Di-n-Butylphthalate	<40	ug/Kg				
Di-n-Octyl Phthalate	<40	ug/Kg				
Dibenz(a,h)Anthracene	<40	ug/Kg				
Dibenzofuran	<40	ug/Kg				
1.2-Dichlorobenzene	<40	ug/Kg				
1,3-Dichlorobenzene	<40	ug/Kg				
1,4-Dichlorobenzene	<40	ug/Kg				
3,3'-Dichlorobenzidine	<40	ug/Kg				
2,4-Dichlorophenol	<40	ug/Kg				
Diethylphthalate	<40	ug/Kg				
Dimethyl Phthalate	<40	ug/Kg				
2.4-Dimethylphenol	<40	ug/Kg				
4,6-Dinitro-2-Methylphenol	<40	ug/Kg				
2,4-Dinitrophenol	<40	ug/Kg				
2,4-Dinitrotoluene	<40	ug/Kg				
2,6-Dinitrotoluene	<40	ug/Kg				
bis(2-Ethylhexyl)Phthalate	440	ug/Kg	٠.			
Fluoranthene	<40	ug/Kg				
Fluorene	<40	ug/Kg				
Hexachtorobenzene	±40	ug/Kg				
Rexachterobutadiene	₹ 449	ug/Kg				
Hexachterocyclopentadiene	<40	ug/Kg				
Hexachterocyttopentaurine Hexachteroethane	746	ug/Kg				
Hexachteroethane Indono(1,2,3-cd)Pyrana	<00	ug/Kg				
	<40	ug/Kg				
Isophorene		8031 603				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: \$8-14-07

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<40	ug/Kg				
2-Methylphenol	<40	ug/Kg	12/15/1994	170	407	jcg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg				
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	<40	ug/Kg				
Haphthalene	<40	ug/Kg				
2-Nitroaniline	<40	ug/Kg				
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40	ug/Kg				
Phenanthrene	<40	ug/Kg				
Phenol	<40	ug/Kg				
Pyrene	<40	ug/Kg				
1,2,4-Trichlorobenzene	<40	ug/Kg				
2,4,5-Trichlorophenol	<40	ug/Kg				
2,4,6-Trichlorophenol	<40	ug/Kg	,			

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: \$8-14-02.5

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals, Priority Pollutants	۰	EPA SW846	12/07/1994		12/07/1994		41	ech
Solid Dig. SW846,3050		sw846,3050	12/08/1994	date	12/08/1994	3119cs		gsw
Solid Dig. SW846 GFAA, 3050		SW846,3050	12/08/1994	date	12/08/1994	3119cs		gsw
Antimony (Sb) 846 IC		SW846 ICP, 6010	<6.4	mg/Kg	12/09/1994	3119cs	141	gmp
Arsenic (As) 846 GFA		SW846 furnace, 7000	<2.1	mg/Kg	12/13/1994	3119cs	58	mut
Beryllium (Be) 846 IC		SW846 ICP, 6010	0.73	mg/Kg	12/09/1994	3119cs	138	<b>Bub</b>
Cadmium (Cd) 846 IC		SW846 ICP, 6010	<0.64	mg/Kg	12/09/1994	3119cs	168	<b>GED</b>
Chromium (Cr) 846 IC		SW846 ICP, 6010	5 <b>.9</b>	mg/Kg	12/09/1994	3119cs	171	<b>awb</b>
Copper (Cu) 846 IC		SW846 ICP, 6010	14	mg/Kg	12/09/1994	3119cs	170	gm <b>p</b>
Lead (Pb) 846 IC		SW846 ICP, 6010	32	mg/Kg	12/09/1994	3119cs	185	Smb
Hercury (Hg) 846 CVA		SW846 cold vapor, 7471	<0.11	mg/Kg	12/13/1994	3119cs	: 156	drm
Nickel (Ni) 846 IC		SW846 ICP, 6010	8.2	mg/Kg	12/09/1994	3119cs	149	gmp
Selenium (Se) 846 GFA		SW846 furnace, 7000	<1.1	mg/Kg	12/13/1994	3119cs	56	mut
Silver (Ag) 846 IC		SW846 ICP, 6010	<0.64	mg/Kg	12/09/1994	3119cs	: 146	gmp
Thallium (Tl) 846 GFA		SW846 furnace, 7000	<2.1	mg/Kg	12/12/1994	3119cs	: 48	mut
Zinc (Zn) 846 IC		SW846 ICP, 6010	28	mg/Kg	12/09/1994	3119cs	159	<b>Bub</b>
EX Acid/Base/Neutrals 8270		SW-846, 3500	12/13/1994	date	12/13/1994	exabn_	-	kam

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: \$5-14-02.5

NET Sample No: 113913

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics <2800 ug/Kg 12/15/1994 4 ump

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: S8-14-02.5

No: 113913			Analysis		Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst 
TCL Volatiles by GC/MS 8240 S			42.410.4100/		631	jpt
Acetone	<25	ug/Kg	12/10/1994		05,	76-
Benzene	<5.0	ug/Kg				
Bromodichloromethane	<5.0	ug/Kg				
Bromoform	<5.0	ug/Kg				
Bromomethane	<5.0	ug/Kg				
2-Butanone (MEK)	<25	ug/Kg				
Carbon Disulfide	<5.0	ug/Kg				
Carbon Tetrachloride	<5.0	ug/Kg				
Chlorobenzene	<5.0	ug/Kg				
Chloroethane	<5.0	ug/Kg				
2-Chloroethylvinyl ether	<5.0	ug/Kg				
Chloroform	<5.0	ug/Kg				
Chloromethane	<5.0	ug/Ka				
Dibromochloromethane	<5.0	ug/Kg				
1,2-Dichlorobenzene	<5.0	ug/Kg				
1,3-Dichtorobenzene	<5.0	ug/Kg				
1,4-Dichtorobenzene	<5.0	ug/Kg				
1,1-Dichloroethane	<5.0	ug/Kg				
1,2-Dichloroethane	<5.0	ug/Kg				
1,1-Dichloroethene	<5.0	ug/Kg				
1,2-Dichloroethene (total)	<5.0	ug/Kg				
1,2-Dichloropropane	<5.0	ug/Kg				
cīs-1,3-Dichloropropene	· <5.0	ug/Kg				
trans-1,3-Dichloropropene	<5.0	ug/Kg				
Ethylbenzene	<5.0	ug/Kg				
2-Hexanone	<25	ug/Kg				
4-Methyl-2-pentanone (MIBK	<25	ug/Kg				
Hethylene Chloride	<5.0	ug/Kg				
Styrene	<5.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<5.0	ug/Kg				
Tetrachloroethene	<5.0	ug/Kg				
Toluene	<5.0	ug/Kg				
1,1,1-Trichloroethane	<5.0	ug/Kg				
1,1,2-Trichloroethane	<5.0	ug/Kg				
Trichloroethene	<5.0	ug/Kg				
Trichlorofluoromethane	<5.0	ug/Kg				
	<5.0	ug/Kg				
Vinyl Acetate	<5.0	ug/Kg				
Vinyt Chloride	<5.0	ug/Kg				
in-Xylene	<5.0	ug/Kg				
o-Xylene	<5.0	ug/Kg				
p-Xylene		= =				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Date Rec'd: 12/07/1994

Project: No. Smithfield RI ANG Station

Sample ID: SB-14-02.5

: No: 113913			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst 
TCL Acid/Base/Neutrals 8270 S			40.45 /100/	170	407	jcg
Acenaphthene	<200	ug/Kg	12/15/1994	110	40)	Jeg
Acenaphthylene	<200	ug/Kg				
Anthracene	<200	ug/Kg				
Benzidine	<200	ug/Kg				
Benzo(a)Anthracene	<200	ug/Kg				
Benzo(a)Pyrene	<200	ug/Kg				
Benzo(b)Fluoranthene	<200	ug/Kg				
Benzo(g,h,i)Perylene	<200	ug/Kg				
Benzo(k)Fluoranthene	<200	ug/ <b>Kg</b>				
Benzoic Acid	<200	ug/Kg				
Benzyl Alcohol	<200	ug/Kg				
4-Bromophenyl-phenylether	<200	ug/Kg				
Butylbenzylphthalate	<200	ug/Kg				
4-Chloro-3-Methylphenol	<200	ug/Kg				
4-Chloroaniline	<200	ug/Kg				
bis(2-Chloroethoxy)Methane	<200	ug/Kg				
bis(2-Chloroethyl)Ether	<200	ug/Kg				
bis(2-Chloroisopropyl)Ether	<200	ug/Kg				
2-Chloronaphthalene	<200	ug/Kg				
2-Chlorophenol	<200	ug/Kg				
4-Chlorophenyl-phenylether	<200	ug/Kg				
Chrysene	170	ug/Kg				
Di-n-Butylphthalate	<200	ug/Kg				
Di-n-Octyl Phthalate	<200	ug/Kg				
Dibenz(a,h)Anthracene	<200	ug/Kg				
Dibenzofuran	<200	ug/Kg				
1.2-Dichlorobenzene	<200	ng/Kg				
1.3-Dichlorobenzene	<200	ug/Kg				
1,4-Dichlorobenzene	<200	ug/Kg				
3,3'-Dichlorobenzidine	<200	ug/Kg				
2.4-Dichlorophenol	<200	ug/Kg				
Diethylphthalate	<200	ug/Kg				
Dimethyl Phthalate	<200	ug/Kg				
2,4-Dimethylphenol	<200	ug/Kg				
4.6-Dinitro-2-Methylphenol	<200	ug/Kg				
2.4-Dinitrophenol	<200	ug/Kg				
2,4-Binitrotoluene	<200	ug/Kg				
2.6-Dinitrotoluene	<200	ug/Kg				
bis(2-Ethylhexyl)Phthalate	<200	ug/Kg				
Fluoranthene	<200	. ug/Kg				
Fluorene	<200	ug/Kg				
Hexachtorobenzene	<200	ug/Kg				
	<b>.</b> <200	na\Ka				
Hexachlorocyclopentadiene	<200	ug/Kg				
Hexachloroethane	<200	ug/Kg				
Indeno(1,2,3-cd)Pyrene	<200	ug/Kg				
Isophorone	<200	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04051

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-01

Parameter			Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
				12/07/1994		12/07/1994		41	ech
Metals, Priority P		S	EPA SW846	12/08/1994	date	12/08/1994			gsw
Solid Dig. SW846,		S	sw846,3050			12/08/1994			gsw
Solid Dig. SW846	GFAA, 3050	S	su846,3050	12/08/1994	date				•
Antimony (Sb)	846 ICP :	S	SW846 ICP, 6010	<9.2	mg/Kg	12/09/1994			gmp
Arsenic (As)	846 GFAA	S	SW846 furnace, 7000	<3.1	mg/Kg	12/13/1994			mat
Beryllium (Be)	846 ICP	s	SW846 ICP, 6010	0.98	mg/Kg	12/09/1994			Sub
Cadmium (Cd)	846 ICP	S	SW846 ICP, 6010	<0.92	mg/Kg	12/09/1994	3119cs	168	<b>Sub</b>
Chromium (Cr)	846 ICP		SW846 ICP, 6010	8.3	mg/Kg	12/09/1994	3119cs	171	grap
·	846 ICP		SW846 ICP, 6010	4.9	mg/Kg	12/09/1994	3119cs	170	gmp
Copper (Cu)	846 ICP		SW846 ICP. 6010	15	mg/Kg	12/09/1994	3119cs	185	gmp
Lead (Pb)			SW846 cold vapor, 7471	<0.15	mg/Kg	12/13/1994	3119cs	156	drm
Hercury (Hg)	846 EVAA		SW846 ICP, 6010	7.6	mg/Kg	12/09/1994	3119cs	149	gmp
Nickel (Ni)	846 ICP		•	<1.5	mg/Kg	12/13/1994	3119cs	56	mut.
Selenium (Se)	846 GFAA		SW846 furnace, 7000			12/09/1994			gnp
Silver (Ag)	846 ICP	S	SW846 ICP, 6010	<0.92	mg/Kg	12/12/1994			mut
Thallium (Tl)	846 GFAA	S	SW846 furnace, 7000	⋖.1	mg/Kg				******
Zinc (Zn)	846 ICP	S	SW846 ICP, 6010	22	mg/Kg	12/09/1994			Sub-
EX PCBs SW-846,	8080	S	su-846, 3540	12/14/1994	date	12/14/1994	expcb_	-	sbf
EX Acid/Base/Neu		s	sw-846, 3500	12/13/1994	date	12/13/1994	exabn_	• '	kem

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-01

6 NOT 113814				Analysis	Ргер	Run	
Parameter	Res	ult	Units	Date	Batch	Batch	Analyst
PCBs 8080	S						
Aroctor-1016	<50	)	ug/Kg	12/15/1994	110	103	gah
Aroclor-1221	<50	)	ug/Kg				
Aroclor-1232	<50	)	ug/Kg				
Aroclor-1242	<50	)	ug/Kg				
Aroclor-1248	<50	)	ug/Kg				
Aroclor-1254	<50	)	ug/Kg				
Aroctor-1260	<50	)	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-01

NET Sample No: 113914

Analysis Prep Run

Parameter Result Units Date Satch Batch Analyst

TPH (Purgable) 8015 - GRO S

Gasoline Range Organics 9100

ug/Kg

12/15/1994

1

unp

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04051

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-01

e No: 113914			Analysis	Prep	สินก	
Parameter	Result	Units	Date	Batch	Satch	Anatyst
2-Methylnaphthalene	<40	ug/Kg				
2-Methylphenol	<40	ug/Kg	12/15/1994	170	407	jcg
4-Methylphenol	<40	ug/Kg				
N-Nitroso-di-n-Propylamine	<40	ug/Kg				
N-Nitrosodimethylamine	<40	ug/Kg				
N-Nitrosodiphenylamine	<40	ug/Kg				
Naphthalene	<40	ug/Kg				
2-Nitroaniline	<40	ug/Kg				
3-Nitroaniline	<40	ug/Kg				
4-Nitroaniline	<40	ug/Kg				
Nitrobenzene	<40	ug/Kg				
2-Nitrophenol	<40	ug/Kg				
4-Nitrophenol	<40	ug/Kg				
Pentachlorophenol	<40	ug/Kg				
Phenanthrene	<40	ug/Kg				
Phenol	<40	ug/Kg				
Pyrene	<40	ug/Kg				
1,2,4-Trichlorobenzene	<40	ug/Kg				
2,4,5-Trichlorophenol	<40	ug/Kg				
2,4,6-Trichlorophenol	<40	ug/Kg				

Report Date: 12/27/1994

Report To: Anaptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-02

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
		EPA SW846	12/07/1994		12/07/1994		41	ecw
Metals, Priority P		SW846.3050	12/08/1994	date	12/08/1994	3119cs		gsw
Solid Dig. SW846,		•	12/08/1994	date	12/08/1994			gsw
Solid Dig. SW846		SW846,3050	<8.2	mg/Kg	12/09/1994			gmp
Antimony (Sb)	846 ICP S	SW846 ICP, 6010	<2.7	mg/Kg	12/13/1994			mut
Arsenic (As)		SW846 furnace, 7000			12/09/1994			gmp
Beryllium (Be)	846 ICP S	SW846 ICP, 6010	0.86	mg/Kg	12/09/1994			
Cadmium (Cd)	846 ICP S	SW846 ICP, 6010	1.3	mg/Kg				gmp
Chromium (Cr)	846 ICP S	SW846 ICP, 6010	42	mg/Kg	12/09/1994			gmp
Copper (Cu)	846 ICP S	SW846 ICP, 6010	13	mg/Kg	12/09/1994			gm <b>b</b>
Lead (Pb)	846 ICP S	SW846 ICP, 6010	260	mg/Kg	12/09/1994	3119cs	185	<b>Gub</b>
Mercury (Hg)	846 CVAA S	SW846 cold vapor, 7471	<0.14	mg/Kg	12/13/1994	3119cs	156	drm
Nickel (Ni)	846 ICP S	SW846 ICP, 6010	6.8	mg/Kg	12/09/1994	3119cs	149	gmp
Selenium (Se)	846 GFAA S	SW846 furnace, 7000	<1.4	mg/Kg	12/13/1994	3119cs	56	mat
	846 ICP S	SW846 ICP, 6010	<0.82	mg/Kg	12/09/1994	3119cs	146	gmp
Silver (Ag)		SW846 furnace, 7000	<2.7	mg/Kg	12/12/1994	3119cs	48	mat
Thallium (Tl)	846 GFAA S	•	570	mg/Kg	12/09/1994			gmp
Zinc (Zn)	846 ICP S	SW846 ICP, 6010		date	12/14/1994			sbf
EX PCBs SW-846, 8			12/14/1994				•	kem
EX Acid/Base/Neur	trals 8270 S	sw-846, 3500	12/13/1994	date	12/13/1994	exapri_		ACIII

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-02

5 NO: (1397)	Result	Units	Analysis Date	· ·	Run Batch	Analyst
Parameter						
TCL Volatiles by GC/MS 8240 S						
Acetone	<30.	ug/Kg	12/10/1994		631	jpt
Benzene	<6.0	ug/Kg				
Bromodichloromethane	<6.0	ug/Kg				
Bromoform	<6.0	ug/Kg				
Bromomethane	<6.0	ug/Kg			-	
2-Butanone (MEK)	<30.	ug/Kg				
Carbon Disulfide	<6.0	ug/Kg				
Carbon Tetrachloride	<6.0	ug/Kg				
Chlorobenzene	<6.0	ug/Kg				
Chloroethane	<6.0	ug/Kg				
2-Chloroethylvinyl ether	<6.0	ug/Kg				
Chloroform	<6.0	ug/Kg				
Chloromethane	<6.0	ug/Kg				
Dibromochloromethane	<6.0	ug/Kg				
1,2-Dichlorobenzene	<6.0	ug/Kg				
1,3-Dichlorobenzene	<6.0	ug/Kg				
1,4-Dichlorobenzene	<6.0	ug/Kg				
1,1-Dichloroethane	<6.0	ug/Kg				
1,2-Dichloroethane	<6.0	ug/Kg				
1,1-Dichloroethene	<6.0	ug/Kg				
1,2-Dichloroethene (total)	<6.0	ug/Kg				
1,2-Dichloropropane	<6.0	ug/Kg				
cis-1,3-Dichloropropene	<6.0	ug/Kg				
trans-1,3-Dichloropropene	<6.0	ug/Kg				
Ethylbenzene	<6.0	ug/Kg				
2-Hexanone	<30.	ug/Kg				
4-Methyl-2-pentanone (MIBK	<30.	ug/Kg				
Methylene Chloride	<6.0	ug/Kg				
Styrene	<6.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<6.0	ug/Kg				
Tetrachloroethene	<6.0	ug/Kg				
Toluene	30	ug/Kg				
1,1,1-Trichloroethane	<6.0	ug/Kg				
1,1,2-Trichloroethane	<6.0	ug/Kg				
Trichtoroethene	<6.0	ug/Kg				
Trichlorofluoromethane	<6.0	ug/Kg				
Vinyl Acetate	<6.0	ug/Kg				
Vinyl Chtoride	<6.0	ug/Kg				
m-Xylene	<5.0	ug/Kg				
o-Xylene .	< 5.0	ug/Kg				
a-Zytene	75.0	ug/Kg				

Report Date: 12/27/1994

Project: No. Smithfield RI ANG Station

Report To: Aneptek

NET Job No: 94.04061

Date Rec'd: 12/07/1994

Sample ID: SS-02

NET Sample

No: 115915			Analysis		Run	
Parameter	Result	Units	Date	Batch	Batch	Analys 
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	<200	ug/Kg	12/15/1994	170	407	jcg
Acenaphthylene	<200	ug/Kg				
Anthracene	<200	ug/Kg				
Benzidine	<200	ug/Kg				
Benzo(a)Anthracene	<200	ug/Kg				
Benzo(a)Pyrene	<200	ug/Kg				
Benzo(b)Fluoranthene	<200	ug/Kg				
Benzo(g,h,i)Perylene	<200	ug/Kg				
Benzo(k)Fluoranthene	<200	ug/Kg				
Benzoic Acid	640	ug/Kg				
Benzyl Alcohol	<200	ug/Kg				•
4-Bromophenyl-phenylether	<200	ug/Kg				
Butylbenzylphthalate	<200	ug/Kg				
4-Chloro-3-Methylphenol	<200	ug/Kg				
4-Chloroaniline	<200	ug/Kg				
bis(2-Chloroethoxy)Methane	<200	ug/Kg				
bis(2-Chloroethyl)Ether	<200	ug/Kg				
bis(2-Chloroisopropyl)Ether	<200	ug/Kg				
2-Chloronaphthalene	<200	ug/Kg				
2-Chlorophenol	<200	ug/Kg				
4-Chlorophenyl-phenylether	<200	ug/Kg				
Chrysene '	<200	ug/Kg				
Di-n-Butylphthalate	<200	ug/Kg				
Di-n-Octyl Phthalate	<200	ug/Kg				
Dibenz(a,h)Anthracene	<200	ug/Kg				
Dibenzofuran	<200	ug/Kg				
1.2-Dichlorobenzene	<200	ug/Kg				
1.3-Dichlorobenzene	<200	ug/Kg				
•	<200	ug/Kg				
1,4-Dichlorobenzene	<200	ug/Kg				
3,3'-Dichtorobenzidine	<200	ug/Kg				
2,4-Dichlorophenol	<200	ug/Kg				
Diethylphthalate	<200	ug/Kg				
Dimethyl Phthalate	<200	ug/Kg				
2,4-Dimethylphenol	<200	ug/Kg				
4,6-Dinitro-2-Methylphenol	<200	ug/Kg				
2,4-Dinitrophenol						
2,4-Dinitrotoluene	<200	ug/Kg				
2,6-Dinitrotoluene	4200	ug/Kg				
bis(Z-Ethy(hexy))Phicalate	260	ug/Kg				
Fluoranthene	269	ug/Kg				
Fluorene	<200	ug/Kg	•			
Payagh Larobentone	<200 	ug/Kg				
Mexachler clustatives	<b>₹</b>	ug/Kg				
dexachterecyclepentausers	4200 ****	ug/Kg				
Hexachler oeth me	4200	ug/Kg ,				
Indom:(1,2,% on#yssec	F200	ug/Kg				
Estophist Gray	× 800	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94-04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-02

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
2-Methylnaphthalene	<200	ug/Kg				
2-Methylphenol	<200	ug/Kg	12/15/1994	170	407	jcg
4-Methylphenol	<200	ug/Kg				
N-Nitroso-di-n-Propylamine	<200	ug/Kg				
N-Nitrosodimethylamine	<200	ug/Kg				
N-Nitrosodiphenylamine	<200	ug/Kg				
Naphthalene	<200	ug/Kg				
2-Nitroaniline	<200	ug/Kg				
3-Nitroaniline	<200	ug/Kg				
4-Nitroaniline	<200	ug/Kg				
Nitrobenzene	<200	ug/Kg				
2-Nitrophenol	<200	ug/Kg				
4-Nitrophenol	<200	ug/Kg				
Pentachlorophenol	<200	ug/Kg				
Phenanthrene	<200	ug/Kg				
	<200	ug/Kg				
Phenol	220	ug/Kg				
Pyrene	. <200	ug/Kg				
1,2,4-Trichlorobenzene	<200	ug/Kg				
2,4,5-Trichlorophenol	<200	ug/Kg				
2,4,6-Trichtorophenol	~200	09/K9				•

Report Date: 12/27/1994

Report To: Aheptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample 10: SS-03

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metals, Priority Pollutants	s	EPA SW846	12/07/1994		12/07/1994		41	ecw
Solid Dig. SW846,3050	s	sw846,3050	12/08/1994	date	12/08/1994	3119cs		gsw
Solid Dig. SW846 GFAA, 3050	s	sw846,3050	12/08/1994	date	12/08/1994	3119cs		gsw
Antimony (Sb) 846 IC		SW846 ICP, 6010	<7.9	mg/Kg	12/09/1994	3119cs	141	gmp
Arsenic (As) 846 GFA	A S	SW846 furnace, 7000	<2.6	mg/Kg	12/13/1994	3119cs	58	mat
Servitium (Be) 846 IC	PS	SW846 ICP, 6010	0.75	mg/Kg	12/09/1994	3119cs	138	<b>Swb</b>
Cadmium (Cd) 846 IC	PS	SW846 ICP, 6010	<0.79	mg/Kg	12/09/1994	3119cs	168	Samb
Chromium (Er) 846 IC	PS	SW846 ICP, 6010	15	mg/Kg	12/09/1994	3119cs	171	gmp
Copper (Cu) 846 IC	PS	SW846 ICP, 6010	8.9	mg/Kg	12/09/1994	3119cs	170	Swb.
Lead (Pb) 846 IC	PS	SW846 ICP, 6010	53	mg/Kg	12/09/1994	3119cs	185	gmp
Mercury (Hg) 846 CVA	A S	SW846 cold vapor, 7471	<0.13	mg/Kg	12/13/1994	3119cs	156	drm
Nickel (Ni) 846 IC	P S	SW846 ICP, 6010	5.2	mg/Kg	12/09/1994	3119cs	149	Suib
Selenium (Se) 846 GFA	A S	SW846 furnace, 7000	<1.3	mg/Kg	12/13/1994	3119cs	56	mut
Silver (Ag) 846 IC	PS	SW846 ICP, 6010	<0.79	mg/Kg	12/09/1994	3119cs	146	Sub-
Thallium (Tl) 846 GFA	A S	SW846 furnace, 7000	<2.6	mg/Kg	12/12/1994	3119cs	48	mwt
Zinc (Zn) 846 IC	PS	SW846 ICP, 6010	280	mg/Kg	12/09/1994	3119cs	159	gmp
EX PCBs SW-846, 8080	s	sw-846, 3540	12/14/1994	ďate	12/14/1994	expcb_		sbf
EX Acid/Base/Neutrals 8270	s	sw-846, 3500	12/13/1994	date	12/13/1994	exabn_		kam

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-03

			Analysis	Ргер	Run	
Parameter	Result	Units	Date	Satch	Batch	Analyst
PCBs 8080	\$					
Aroclor-1016	<42	ug/Kg	12/15/1994	110	103	gah
Aroclor-1221	<42	ug/Kg				
Aroclor-1232	<42	ug/Kg				
Aroclor-1242	<42	ug/Kg				
Aroclor-1248	<42	ug/Kg				
Aroclor-1254	<42	ug/Kg				
Aroclor-1260	<42	ug/Kg				

Result

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-03

MET Sample No: 113916

Parameter

Analysis Prep Run

Date Batch Batch Analyst

7PH (Purgable) 8015 - GRO S

Gasoline Range Organics 4400

ug/Kg 12/15/1

12/15/1994

ump

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-03

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Satch	Batch	Analyst
TO U. N 1. 00 M2 02/0 0						
TCL Volatiles by GC/MS 8240 S	-70	04.	12/00/100/		(71	
Acetone	<30.	ug/Kg	12/09/1994		631	jpt
Benzene	<6.0	ug/Kg				
Bromodichloromethane	<6.0	ug/Kg				
Bromoform	<6.0	ug/Kg				
Bromomethane	<6.0	ug/Kg				
2-Butanone (MEK)	<30.	ug/Kg				
Carbon Disulfide	<6.0	ug/Kg				
Carbon Tetrachloride	<6.0	ug/Kg				
Chlorobenzene	<6.0	ug/Kg				
Chloroethane	<6.0	ug/Kg				
2-Chloroethylvinyl ether	<6.0	ug/Kg				
Chloroform	<6.0	ug/Kg				
Chloromethane	<6.0	บg/Kg				
Dibromochloromethane	<6.0	ug/Kg				
1,2-Dichlorobenzene	<6.0	บg/Kg				
1,3-Dichlorobenzene	<6.0	ug/Kg				
1,4-Dichlorobenzene	<6.0	ug/Kg				
1,1-Dichloroethane	<6.0	ug/Kg				
1,2-Dichloroethane	<6.0	ug/Kg				
1,1-Dichloroethene	<6.0	ug/Kg				
1,2-Dichloroethene (total)	<6.0	ug/Kg				
1,2-Dichloropropane	<6.0	ug/Kg				
cis-1,3-Dichloropropene	<6.0	ug/Kg				
trans-1,3-Dichloropropene	<6.0	ug/Kg				
Ethylbenzene	<6.0	ug/Kg				
2-Hexanone	<30.	ug/Kg				•
4-Rethyl-2-pentanone (MIBK	<30.	ug/Kg				
Methylene Chloride	<6.0	ug/Kg				
Styrene	<6.0	ug/Kg				
1,1,2,2-Tetrachloroethane	<6.0	ug/Kg				
Tetrachloroethene	<6.0	ug/Kg				
Toluene	13	ug/Kg				
1,1,1-Trichloroethane	<6.0	ug/Kg				
1,1,2-Trichloroethane	<6.0	ug/Kg				
Trichloroethene	<6.0	ug/Kg				
Trichlorofluoromethane	<6.0	ug/Kg				
Vinyl Acetate	<6.0	ug/Kg				
Vicyt Chtoride	<6.0	ug/Kg				
m-Xytene	<6.0	ug/Kg				
o-Xylene	<6.0	ug/Kg				
grXytine	<6.0	ug/Kg				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-03

e Mo: 113916				~		
	Dogs t	Units	Analysis Date		Run Batch	Analyst
Parameter	Result	011165				
TCL Acid/Base/Neutrals 8270 S						
Acenaphthene	<200	ug/Kg	12/15/1994	170	407	jcg
Acenaphthylene	<200	ug/Kg				
Anthracene	<200	ug/Kg				
Benzidine	<200	ug/Kg				
Benzo(a)Anthracene	<200	ug/Kg				
Benzo(a)Pyrene	<200	ug/Kg				
Benzo(b)Fluoranthene	<200	ug/Kg				
Benzo(g,h,i)Perylene	<200	ug/Kg				
Benzo(k)Fluoranthene	<200	ug/Kg				
Benzoic Acid	320	ug/Kg				
Benzyl Alcohol	<200	ug/Kg				
4-Bromophenyl-phenylether	<200	ug/Kg				
Butylbenzylphthalate	620	ug/Kg	•			
4-Chloro-3-Methylphenol	<200	ug/Kg				
4-Chloroaniline	<200	<b>υ</b> ց/Kg				
bis(2-Chloroethoxy)Methane	<200	ug/Kg				
bis(2-Chloroethyl)Ether	<200	ug/Kg				
bis(2-Chloroisopropyl)Ether	<200	ug/Kg				
2-Chloronaphthalene	<200	ug/Kg				
2-Chlorophenol	<200	ug/Kg				
4-Chlorophenyl-phenylether	<200	ug/Kg				
Chrysene	<200	· ug/Kg				
Di-n-Butylphthalate	<200	ug/Kg				
Di-n-Octyl Phthalate	<200	ug/Kg				
Dibenz(a,h)Anthracene	<200	ug/Kg				
Dibenzofuran	<200	ug/Kg				
1.2-Dichlorobenzene	<200	ug/Kg				
1,3-Dichlorobenzene	<200	ug/Kg				
1.4-Dichlorobenzene	<200	ug/Kg				
3.3'-Dichlorobenzidine	<200	ug/Kg				
2,4-Dichtorophenot	<200	ug/Kg				
Diethylphthalate	<200	ug/Kg				
Dimethyl Phthalate	<200	ug/Kg				
2.4-Dimethylphenol	<200	ug/Kg				
4,6-Dinitro-2-Methylphenol	<200	ug/Kg				
2.4-Dinitrophenol	<200	ug/Kg				
2,4-Dinitrotoluene	<200	ug/Kg				
2,6-Dinitrototuene	<200	ug/Kg				
bis(2-Ethylhexyl)Phthalate	589	ug/Kg				
Fluoranthene	<200	ug/Kg				
Fluorene	<200	ug/Kg				
Hexachterebennene	<200	ug/Kg				
Hexachier chutadice		ug/Kg				
Nexachtorecyclopentedlene	<200	ug/Kg				
Hexachloroethore	<200	ug/Kg				
indino(1,2,3-cd)kyrrm	<200	ug/Kg				
English (p. ) and excise the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the fi	<200	ug/Kg				
The first House B.	14, 610	- 37.113				

Report Date: 12/27/1994

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/07/1994

Sample ID: SS-03

MET Sample Met 113916

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
2-Methylnaphthalene	<200	ug/Kg				
2-Methylphenol	<200	ug/Kg	12/15/1994	170	407	jcg
4-Methylphenol	<200	ug/Kg				
N-Nitroso-di-n-Propylamine	<200	ug/Kg				
N-Nitrosodimethylamine	<200	ug/Kg				
N-Nitrosodiphenylamine	<200	ug/Kg				
Naphthalene	<200	ug/Kg				
2-Nitroaniline	<200	ug/Kg				
3-Nitroaniline	<200	ug/Kg				
4-Nitroaniline	<200	ug/Kg				
Nitrobenzene	<200	ug/Kg				
2-Nitrophenol	<200	ug/Kg				
4-Nitrophenol	<200	ug/Kg				
Pentachlorophenol	<200	ug/Kg				
Phenanthrene	<200	ug/Kg				
Phenol	<200	ug/Kg				
Pyrene	<200	ug/Kg				
1,2,4-Trichlorobenzene	<200	ug/Kg				
2,4,5-Trichlorophenol	<200	ug/Kg				
2,4,6-Trichlorophenol	<200	ug/Kg				

#### QC SUMMARY FOR INORGANICS REPORT: DUPLICATES

NET-CAMBRIDGE DIVISION

Date of report: 12/15/94

Work ID: 3119CS SDG/ Batch: 9404021

Page:

===============	=======================================
Duplicate:	4061-113910(Solid)

Duplicate:	. 40	)QT-TT23TO(	J0:147			
% solids:	Sample 95	Duplicate 95		%RPD	 	 
Element  Ag   As   Be   Cd   Cr   Cu   Hg   Ni   Pb   Sb	<pre></pre>	<pre></pre>	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	 8    14  + 70 *   17  34 * 	 	
Se !	< 1.0		mg/Kg			
Tl I	< 2.1	< 2.1	mg/Kg	4418		
Zn l	27	41	mg/Kg	41 *	 	 

<sup>\*</sup> Possible sample nonhomogeneity indicated.

#### QC SUMMARY FOR INORGANICS REPORT: PRE-DIGESTION SPIKES

NET-CAMBRIDGE DIVISION

Date of report:

12/15/94

Work ID:

3119CS

SDG/ Batch: 9404021

2

4061-113910 (Solid)

obike:	1001 110710 (001				
	Sample	Spike	Added	%Recove	ery
Element Ag   As   Be   Cd	< 0.003& mg/L < 0.010 mg/L 0.0038 mg/L < 0.0030 mg/L	0.033 0.035 0.046 0.044	0.050 0.040 0.050 0.050	7 88 84 88	*  - 
Cr   +	0.063 mg/L	0.24	0.200	88	+
Cu I Hg I	0.068 mg/L <0.00020 mg/L	0.39 0.0010	0.250	129 100	x 
Ni   Pb	0.051 mg/L 0.059 mg/L	0.53 0.51	0.500 0.500	96 90	
Sb   +	< 0.030 mg/L	0.29	0.500	58	<i>大</i> 
Se   Tl   Zn	< 0.0050 mg/L < 0.010 mg/L 0.13 mg/L	0.0095 0.044 0.64	0.010 0.050 0.500	95 88 <b>102</b>	}
	=======================================	========	:========	:=====	==========

<sup>\*</sup> Possible matrix interference indicated.

#### QC SUMMARY FOR INORGANICS REPORT: DIGESTION BLANKS

3119CS NET-CAMBRIDGE DIVISION Work ID: SDG/ Batch: 9404021,406) Date of report: 12/15/94 Page: 3 Blank: 3119CS Found, mg/L Element Ag | < 0.0030 | < 0.010 1 As 0.0023 Be < 0.0030 cd 1 Cr | < 0.0060 0.0068 Cu l Hg | < 0.00020 0.022  $\mathtt{Ni}$ < 0.035 Pb 1 Sb i < 0.030 < 0.0050 Se I Tl < 0.010

All blank values one within acceptable limits.

0.0094

#### NET Cambridge Division

#### QUALITY CONTROL DATA

Client: Aneptek

NET Job No: 94.04051

Project: No. Smithfield RI ANG Station

Report Date: 12/27/1994

Surrogate Standard Percent Recovery

Abbreviated Surrogate Standard Names:

SS12 822 ss9 SS10 SS11 ss7 \$\$5 SS6 ss2 ss3 SS4 Phenol-2,4,6-7 2-Fluor Hitrobe 2-Fluor Dibutyl Tetrach Trifluo Bromofl 1,2-Dic Toluene

				Perce	nt Reco	very						_
NET ID Matrix	SS1	ss2	ss3	SS4	SS5	SS6	ss7	882	SS9	\$\$10	SS11	SS12
113906 SOIL				124	110	107	101	100	113	91	108	108
				119	90	99	94	68	74	108	93	81
				115	102	101	111	57	63	109	81	64
				128	105	106	109	75	80	120	95	86
.,=				121	89	109	125	92	105	131	135	101
				106	109	111	117	74	85	109	114	74
* *= * * *				124	96	103	103	66	72	107	90	73
				. –	92	110	114	79	87	106	112	84
	100	MD	97			102	134	69	75	116	92	77
******								79	95	133	124	89
												86
113916 SOIL	103	NR	102	100	٥٧	101	120	,,	,_			
	NET ID Matrix  113906 SOIL  113907 SOIL  113908 SOIL  113909 SOIL  113910 SOIL  113911 SOIL  113912 SOIL  113913 SOIL  113914 SOIL  113915 SOIL  113916 SOIL	113906 SOIL 113907 SOIL 113908 SOIL 113909 SOIL 113910 SOIL 113911 SOIL 113912 SOIL 113913 SOIL 113914 SOIL 113915 SOIL 109	113906 SOIL 113907 SOIL 113908 SOIL 113909 SOIL 113910 SOIL 113911 SOIL 113912 SOIL 113913 SOIL 113914 SOIL 113915 SOIL 113915 SOIL 113915 SOIL 1105 NR	113906 SOIL 113907 SOIL 113908 SOIL 113909 SOIL 113910 SOIL 113911 SOIL 113912 SOIL 113913 SOIL 113914 SOIL 113915 SOIL 1105 NR 97	NET ID Matrix SS1 SS2 SS3 SS4  113906 SOIL 124 113907 SOIL 119 113908 SOIL 115 113909 SOIL 128 113910 SOIL 121 113911 SOIL 106 113912 SOIL 124 113913 SOIL 117 113914 SOIL 109 NR 97 125 113915 SOIL 105 NR 95 128	NET ID Matrix SS1 SS2 SS3 SS4 SS5  113906 SOIL 124 110 113907 SOIL 119 90 113908 SOIL 115 102 113909 SOIL 128 105 113910 SOIL 121 89 113911 SOIL 106 109 113912 SOIL 124 96 113913 SOIL 117 92 113914 SOIL 109 NR 97 125 74 113915 SOIL 105 NR 95 128 80	113906 SOIL 124 110 107 113907 SOIL 119 90 99 113908 SOIL 115 102 101 113909 SOIL 128 105 106 113910 SOIL 121 89 109 113911 SOIL 106 109 111 113912 SOIL 124 96 103 113913 SOIL 117 92 110 113914 SOIL 109 NR 97 125 74 102 113915 SOIL 105 NR 95 128 80 105	NET ID Matrix SS1 SS2 SS3 SS4 SS5 SS6 SS7  113906 SOIL	NET ID Matrix SS1 SS2 SS3 SS4 SS5 SS6 SS7 SS8  113906 SOIL	NET ID Matrix SS1 SS2 SS3 SS4 SS5 SS6 SS7 SS8 SS9  113906 SOIL 124 110 107 101 100 113  113907 SOIL 119 90 99 94 68 74  113908 SOIL 115 102 101 111 57 63  113909 SOIL 128 105 106 109 75 80  113910 SOIL 121 89 109 125 92 105  113911 SOIL 106 109 111 117 74 85  113912 SOIL 124 96 103 103 66 72  113913 SOIL 109 NR 97 125 74 102 134 69 75  113915 SOIL 105 NR 95 128 80 105 131 79 95	NET ID Matrix SS1 SS2 SS3 SS4 SS5 SS6 SS7 SS8 SS9 SS10  113906 SOIL 124 110 107 101 100 113 91  113907 SOIL 119 90 99 94 68 74 108  113908 SOIL 115 102 101 111 57 63 109  113909 SOIL 128 105 106 109 75 80 120  113910 SOIL 121 89 109 125 92 105 131  113911 SOIL 106 109 111 117 74 85 109  113912 SOIL 124 96 103 103 66 72 107  113913 SOIL 109 NR 97 125 74 102 134 69 75 116  113915 SOIL 105 NR 95 128 80 105 131 79 95 133	NET ID Matrix SS1 SS2 SS3 SS4 SS5 SS6 SS7 SS8 SS9 SS10 SS11  113906 SOIL 113907 SOIL 113908 SOIL 113909 SOIL 113909 SOIL 113910 SOIL 113911 SOIL 113912 SOIL 113913 SOIL 113914 SOIL 1109 NR 97 125 74 102 134 69 75 116 92 113915 SOIL 113915 SOIL 105 NR 95 128 80 105 131 79 95 133 124

NR - This surrogate standard is Not Required. Other versions of this test method may use this surrogate standard. Dil - This surrogate standard was diluted to below detectable levels due to concentrations of analytes in this sample.

Complete Surrogate Standard Names Listed by Analysis:

Pesticide Surrogate Standards:

Decacht = Decachtorobiphenyl

Dibutyl = Dibutylchlorendate

Tetrach = Tetrachloro-m-xylene

Volatile Surrogate Standards:

Bromofl = Bromofluorobenzene

1,2-Dichl = 1,2-Dichloroethane-d4

Toluene = Toluene-d8

Drinking Water Method 524 1,2-Dicht = 1,2-Dichtorobenzene-d4

Semivolatlite Surrogate Standards:

2-Fluor (1st) = 2-Fluorobiphenyl

2-Fluor (2nd) = 2-Fluorophenol

Phenol - = Phenol-d6 Mitrobe = Mitrobenzene-d5 2,4,5-7 = 2,4,5-1 ribromophenol

p-lemph = p-lemphenyt

Merbicides Surrecate Standard:

2,4-Dic = 2,4-Dichtorophenyt acetic acid

Patreleum Mydrocarbon Fingerorint Surregare Grandard:

2-Fluor : 2-Fluorobiphenyl

para-le = para-lerphynyl

#### **NET Cambridge Division**

#### QUALITY CONTROL DATA

Client: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANS Station

Report Date: 12/27/1994

Surrogate Standard Percent Recovery

Abbreviated Surrogate Standard Names:

5511 **SS12** ss9 \$\$10 \$\$8 **SS7** ss3 SS5 ss6 SS2

p-Terph

Sample ID	NET ID Matrix	SS <b>1</b>	SS2	\$\$3	Perce SS4	nt Reco	ss5	ss7	822	ss9	SS10	SS11	SS12
Sample ID  SB-11-07 SB-11-12 SB-12-07 SB-12-12 SB-13-2.5 SB-13-07 SB-14-07 SB-14-02.5	NET ID Matrix  113906 SOIL  113907 SOIL  113908 SOIL  113909 SOIL  113910 SOIL  113911 SOIL  113912 SOIL  113913 SOIL	351 114 100 92 97 146 128 100	\$\$2 	223	554	222	550	551			3310		
ss-01 ss-02 ss-03	113914 SOIL 113915 SOIL 113916 SOIL	97 133 130											

Notes:

NR - This surrogate standard is Not Required. Other versions of this test method may use this surrogate standard. Dil - This surrogate standard was diluted to below detectable levels due to concentrations of analytes in this sample.

Complete Surrogate Standard Names Listed by Analysis:

Pesticide Surrogate Standards:

Dibutyl = Dibutylchlorendate Decacht = Decachtorobiphenyt

Tetrach = Tetrachloro-m-xylene

Volatile Surrogate Standards:

Bromofl = Bromofluorobenzene

1,2-Dichl = 1,2-Dichloroethane-d4

Toluene = Toluene-d8

Drinking Water Method 524 1,2-Dichl = 1,2-Dichlorobenzene-d4

Semivolatiile Surrogate Standards:

2-Fluor (1st) = 2-Fluorobiphenyl

Nitrobe = Nitrobenzene-d5 2-Eluar (2nd) = 2-Eluarophenot

2,4,6-T = 2,4,6-Tribromophenol

p-Terph = p-Terphenyl

derbisides Syria matal@imederd:

2,4-bic - 2,4-bichtoroubenyl acetic acid

Petroleco Made Georges Fingerorias Surrogate Standard:

Ziftuna = 2 figurebaphenyt

para-Te = para-Terphynyt

Phenol - = Phenol-dó

Report To: Aneptek

NET Job No: 94-04061

Project: No. Smithfield RI ANG Station

Report Date : 12/27/1994

Method Blank Analysis Data

Test Name	Result	Units	Prep Batch	Run Batch	Run Date	Analyst Initials	
TPH (Purgable) 8015 - 680 S Trifluorotoluene	129 <2500	% recov. ug/Kg		4	12/15/1994 12/15/1994	rub rub	

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Report Date : 12/27/1994

Varhad	Slank	Analysis	Data
Mernoa	blank	WHOLLADIS	. Data

	nethod Bear		Ргер	Run	Run	Analys
Test Name	Result	Units	Batch	Batch	Date	Initia
TCL Volatiles by GC/MS 8240 S	93	% recov.		631	12/09/1994	jpt
Bromofluorobenzene	93 90	% recov.		631	12/09/1994	jpt
1,2-Dichloroethane-d4		% recov.		631	12/09/1994	jpt
Toluene-d8	104			631	12/09/1994	jpt
Acetone	<25 .r.	ug/Kg		631	12/09/1994	jpt
Benzene	<5 .r.	ug/Kg		631	12/09/1994	jpt
Bromodichloromethane	<5 .r	ug/Kg		631	12/09/1994	jpt
Bromoform	<b>&lt;</b> 5	ug/Kg		63 <b>1</b>	12/09/1994	jpt
Bromomethane	<5 25	ug/Kg		631	12/09/1994	jpt
2-Butanone (MEK)	<25 -	ug/Kg			12/09/1994	ĵpt
Carbon Disulfide	<b>&lt;</b> 5	ug/Kg		631 631	12/09/1994	jpt
Carbon Tetrachloride	<5 	ug/Kg			12/09/1994	
Chlorobenzene	<5 <sup>-</sup>	ug/Kg		631		jpt int
Chloroethane	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	jpt int
2-Chloroethylvinyl ether	<5	ug/Kg		631	12/09/1994	jpt :
Chloroform	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	jpt
Chloromethane	<5	ug/Kg		631	12/09/1994	jpt
Dibromochloromethane	<5	ug/Kg		631	12/09/1994	ĵpt
1,2-Dichlorobenzene	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	jpt
1,3-Dichlorobenzene	<5	ug/Kg		631	12/09/1994	jpt :
1,4-Dichlorobenzene	<5	ug/Kg		631	12/09/1994	jpt :
1,1-Dichloroethane	<5	ug/Kg		631	12/09/1994	jpt
1,2-Dichloroethane	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	jpt
1,1-Dichloroethene	<5	ug/Kg		631	12/09/1994	jpt
1,2-Dichloroethene (total)	<5	ug/Kg		631	12/09/1994	jpt
1,2-Dichloropropane	<5	ug/Kg		631	12/09/1994	jpt
cis-1,3-Dichloropropene	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	jpt
trans-1,3-Dichloropropene	<5	ug/Kg		631	12/09/1994	jpt :
Ethylbenzene	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	jpt
2-Hexanone	<25	ug/Kg		631	12/09/1994	jpt
Hethylene Chloride	1	ug/Kg		631	12/09/1994	jpt
4-Methyl-2-pentanone (MIBK	<25	ug/Kg		631	12/09/1994	jpt
Styrene	<5	ug/Kg		631	12/09/1994	jpt
1,1,2,2-Tetrachloroethane	<5	ug/Kg		631	12/09/1994	jpt :-•
Tetrachloroethene	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	jpt :
Toluene	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	jpt
1,1,1-Trichloroethane	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	jpt int
1,1,2-Trichloroethane	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	jpt :
Trichloroethene	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	jpt
Trichlorofluoromethane	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	ĵpt :
Vinyl Acetate	<5	ug/Kg		631	12/09/1994	jpt :
Vinyl Chloride	<b>&lt;</b> 5	ug/L		631	12/09/1994	jpt
m-Xylene	<5 -	ug/Kg		631	12/09/1994	jpt :
o-Xylene	<5	ug/L		631	12/09/1994	jęt
p-Xytene	<b>&lt;</b> 5	ug/Kg		631	12/09/1994	jpt

Report To: Aneptek

NET Job No: 94-04061

Project: No. Smithfield RI ANG Station

Report Date: 12/27/1994

Method Slank Analysis Data

	Method Slar				
			Prep Run	Run	Analyst
est Name	Result	Units	Batch Batch	/ Date	Initial
TCL Volatiles by GC/HS 8240 S					
Bromofluorobenzene	92	% recov.	632	12/10/1994	jpt
1,2-Dichloroethane-d4	99	% гесоч.	632	12/10/1994	jpt
Toluene-d8	106	% гесоу.	632	12/10/1994	jpt
Acetone	<25	ug/Kg	632	12/10/1994	jpt
Benzene	<b>&lt;</b> 5	ug/Kg	632	12/10/1994	jpt
Bromedichloromethane	<5	ug/Kg	632	12/10/1994	jpt
Bromoform	<b>&lt;</b> 5	ug/Kg	632	12/10/1994	jpt
Bromomethane	<b>&lt;</b> 5	ug/Kg	632	12/10/1994	ĵpt
2-Butanone (MEK)	<25	ug/Kg	632	12/10/1994	jpt
Carbon Disulfide	<5	ug/Kg	632	12/10/1994	jpt
Carbon Tetrachloride	<5	ug/Kg	632	12/10/1994	jpt
Chlorobenzene	<5	ug/Kg	632	12/10/1994	jpt
Chloroethane	<b>&lt;</b> 5	ug/Kg	632	12/10/1994	jpt
2-Chloroethylvinyl ether	<b>&lt;</b> 5	ug/Kg	632	12/10/1994	ĵpt
Chloroform	<5	ug/Kg	632	12/10/1994	jpt
Chtoromethane	<b>&lt;</b> 5	ug/Kg	632	12/10/1994	jpt
Dibromochloromethane	<5	ug/Kg	632	12/10/1994	jpt
1.2-Dichlorobenzene	<5	ug/Kg	632	12/10/1994	jpt
•	< <b>5</b>	ug/Kg	632	12/10/1994	jpt
1,3-Dichlorobenzene	<5	ug/Kg	632	12/10/1994	jpt
1,4-Dichlorobenzene 1.1-Dichloroethane	< <b>5</b>	ug/Kg	632	12/10/1994	jpt
1.2-Dichloroethane	<b>&lt;</b> 5	ug/Kg	632	12/10/1994	jpt
•	<5	ug/Kg	632	12/10/1994	jpt
1,1-Dichloroethene 1,2-Dichloroethene (total)	<5	ug/Kg	632	12/10/1994	jpt
1.2-Dichloropropane	<5	ug/Kg	632	12/10/1994	jpt
cis-1,3-Dichloropropene	<5	ug/Kg	632	12/10/1994	jpt
trans-1,3-Dichloropropene	<5	ug/Kg	632	12/10/1994	jpt
Ethylbenzene	<5	· ug/Kg	632	12/10/1994	ĵpt
2-Hexanone	<25	ug/Kg	632	12/10/1994	jpt
Methylene Chloride	2	ug/Kg	632	12/10/1994	jpt
4-Methyl-2-pentanone (MIBK	<25	ug/Kg	632	12/10/1994	ĵpt
Styrene	<5 ·	ug/Kg	632	12/10/1994	jpt
1,1,2,2-Tetrachloroethane	<5	ug/Kg	632	12/10/1994	jpt
Tetrachloroethene	<5	ug/Kg	632	12/10/1994	jpt
Toluene	<5	ug/Kg	632	12/10/1994	jpt
1,1,1-Trichloroethane	<b>&lt;</b> 5	ug/Kg	632	12/10/1994	jpt
1,1,2-Trichloroethane	- <5	ug/Kg	632	12/10/1994	jpt
Trichloroethene	<5	ug/Kg	632	12/10/1994	jpt
Trichlorofluoromethane	< <b>5</b>	ug/Kg	632	12/10/1994	jpt
Vinyl Acetate	<5	ug/Kg	632	12/10/1994	jpt
Vinyt Chtoride	<5	ug/L	632	12/10/1994	jpt
m-Xylene	<5	ug/Kg	632	12/10/1994	jpt
o-Xylene	<5	ug/L	632	12/10/1994	jpt
p-Xytene p-Xytene	<5	ug/Kg	632	12/10/1994	jpt

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Report Date : 12/27/1994

Method Blank Analysis Data

	nethod byte.	,	Prep	Run	Run	Analyst
Test Name	Result	Units	Batch	Batch	Date	Initials
TCL Volatiles by CC/MS 8240 S		°/		633	12/14/1994	UNIC
Bromofluorobenzene	99	% recov.		633	12/14/1994	Oat
1,2-Dichloroethane-d4	99	% recov.		633	12/14/1994	רשר
Toluene-d8	97	% recov.		633	12/14/1994	משר
Acetone	340	ug/Kg		633	12/14/1994	nor
Benzene	<200	ug/Kg		633	12/14/1994	กตร
Bromodichloromethane	<200	ug/Kg			12/14/1994	רשר
Bromoform	<200	ug/Kg		633	12/14/1994	LAUL
Bromomethane	<200	ug/Kg		633		uw.
2-Butanone (MEK)	190	ug/Kg		633	12/14/1994	
Carbon Disulfide	<200	ug/Kg		633	12/14/1994	rmr
Carbon Tetrachloride	<200	ug/Kg		633	12/14/1994	rmr
Chlorobenzene	<200	ug/Kg		633	12/14/1994	umr
Chloroethane	<200	ug/Kg		633	12/14/1994	LWL
2-Chloroethylvinyl ether	<200	ug/Kg		633	12/14/1994	LAUL
Chloroform	<200	ug/Kg		633	12/14/1994	רשר
Chloromethane	<200	ug/Kg		633	12/14/1994	UMF
Dibromochloromethane	<200	ug/Kg		633	12/14/1994	unr
1.2-Dichlorobenzene	<200	ug/Kg		633	12/14/1994	Dur
1.3-Dichlorobenzene	<200	ug/Kg		633	12/14/1994	rant
1,4-Dichlorobenzene	<200	ug/Kg		633	12/14/1994	חמת
1.1-Dichloroethane	<200	ug/Kg		633	12/14/1994	LWL
1.2-Dichloroethane	<200	ug/Kg		633	12/14/1994	nmr
1.1-Dichloroethene	<200	ug/Kg		633	12/14/1994	กตะ
1.2-Dichloroethene (total)	<200	ug/Kg		633	12/14/1994	Luc
1.2-Dichloropropane	<200	ug/Kg		633	12/14/1994	LWL
cis-1,3-Dichloropropene	<200	ug/Kg		633	12/14/1994	nmr
trans-1,3-Dichloropropene	<200	ug/Kg		633	12/14/1994	LWL
Ethylbenzene	<200	ug/Kg		633	12/14/1994	חתר
2-Hexanone	<1200	ug/Kg		633	12/14/1994	nmr
Methylene Chloride	<200	ug/Kg		633	12/14/1994	nmr
4-Methyl-2-pentanone (MIBK	<1200	ug/Kg		633	12/14/1994	nmr
Styrene	<200	ug/Kg		633	12/14/1994	חמור
1.1.2.2-Tetrachloroethane	<200	ug/Kg		633	12/14/1994	UNIT
Tetrachloroethene	<200	ug/Kg		633	12/14/1994	רווור
Toluene	<200	ug/Kg		633	12/14/1994	กละ
1,1,1-Trichloroethane	<200	ug/Kg		633	12/14/1994	Dar
1,1,2-Trichloroethane	<200	ug/Kg		633	12/14/1994	· Dut
Trichloroethene	<200	ug/Kg		633	12/14/1994	nmr
Trichlorofluoromethane	<200	ug/Kg		633	12/14/1994	nmr
Vinyl Acetate	<200	ug/Kg		633	12/14/1994	កភាព
Vinyl Chloride	<200	ug/L		633	12/14/1994	car
m-Xytene	<200	ug/Kg		633	12/14/1994	CSC
o-Xylene	<200	ug/L		633	12/14/1994	EGAL
o ny con				633	12/14/1994	

Report To: Aneptek

NET Job No: 94.04061

Project: -No. Smithfield RI ANG Station

Report Date : 12/27/1994

Method Blank Analysis Data

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Prep R	นก	Run	Analyst
Test Name	Result	Units	Batch B		Date	!nitials
CL Acid/Base/Neutrals 8270 S	74	% recov.	170 4	67	12/15/1994	jeş
?-Fluorophenol	79	% recov.		07	12/15/1994	jcg
henol-d5		% recov.		07	12/15/1994	jcg
,4,6-Tribromophenol	103	% recov.		07	12/15/1994	jcg
-Fluorobiphenyl	91			07	12/15/1994	jcg
itrobenzene-d15	85	% recov.		.07	12/15/1994	jeg
-Terphenyl-d14	100	% recov.		.07	12/15/1994	jcg
enaphthene	<40	ug/Kg		07	12/15/1994	jcg
cenaphthylene	<40	ug/Kg		.07	12/15/1994	jcg
thracene	<40	ug/Kg		.07	12/15/1994	jeg
enzidine	<40	ug/Kg			12/15/1994	jcg
enzo(a)Anthracene	<40	ug/Kg		07		jeg
enzo(a)Pyrene	<40	ug/Kg		07	12/15/1994	
enzo(b)Fluoranthene	<40	ug/Kg		07	12/15/1994	jcg ice
enzo(g,h,i)Perylene	<40	ug/Kg		07	12/15/1994	jcg :
Benzo(k)Fluoranthene	<40	ug/Kg		07	12/15/1994	jcg -
enzyl Alcohol	<40	ug/Kg		07	12/15/1994	jcg
4-Bromophenyl-phenylether	<40	ug/Kg		107	12/15/1994	jcg
Butylbenzylphthalate	<40	ug/Kg		07	12/15/1994	jcg
ois(2-Chloroethoxy)Methane	<40	ug/Kg		107	12/15/1994	jeg
ois(2-Chloroethyl)Ether	<40	ug/Kg		107	12/15/1994	jcg
is(2-Chloroisopropyl)Ether	<40	ug/Kg		107	12/15/1994	jcg
-Chloronaphthalene	<40	ug/Kg		107	12/15/1994	jcg
-Chlorophenol	<40	ug/Kg		407	12/15/1994	jcg
-Chlorophenyl-phenylether	<40	ug/Kg	170 4	407	12/15/1994	jcg
i-n-Butylphthalate	<40	ug/Kg	170 4	407	12/15/1994	jcg
.2-Dichlorobenzene	<40	ug/Kg	170	407	12/15/1994	· jcg
.3-Dichlorobenzene	<40	ug/Kg	170	407	12/15/1994	jcg
1.4-Dichlorobenzene	<40	ug/Kg	170	407	12/15/1994	jcg
3,3'-Dichlorobenzidine	<40	ug/Kg	170	407	12/15/1994	jcg
2,4-Dimethylphenol	<40	ug/Kg	170	407	12/15/1994	jcg
Dimethyl Phthalate	<40	ug/Kg	170	407	12/15/1994	jcg
2,4-Dinitrophenol	<40	ug/Kg	170	407	12/15/1994	jcg
2.4-Dinitrotoluene	<40	ug/Kg	170	407	12/15/1994	jcg
Fluoranthene	<40	ug/Kg	170	407	12/15/1994	jcg
Fluorene	<40	ug/Kg	170	407	12/15/1994	jcg
Hexachtorobenzene	<40	ug/Kg	170	407	12/15/1994	jcg
Hexachlorobutadiene	<40	ug/Kg	170	407	12/15/1994	jcg
Hexachlorocyclopentadiene	<40	ug/Kg	170	407	12/15/1994	jcg
N-Nitrosodimethylamine	<40	ug/Kg	170	407	12/15/1994	јсд
4-Methylphenol	<40	ug/Kg		407	12/15/1994	jcg
4-Mitroaniline	<40	ug/Kg		407	12/15/1994	jeg
	<40	ug/Kg		407	12/15/1994	jeg
Nitrobenzene	440	ug/Kg		407	12/15/1994	jeg
2-Mitrophenol	<40	ug/Kg		407	12/15/1994	jeg
Phenanthrene	<40	ug/Kg		407	12/15/1994	jeg
2,4,5-Trichtorophenol	(40	09/19	.,,	,	12, 12, 17, 1	,-5

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Report Date: 12/27/1994

Matrix Spike/Matrix Spike Duplicate Results

Compound	Spike Amount	Sample Result	Units	MS Result	MS % Recovery	MSD Result	MSD % Recovery	RPD
PCBs 8080 Aroclor-1016	s 392	<98	ug/Kg	497	126.8	459	117.1	8.0
t ===1 == 1260	392	<98	ug/Kg	512	130.6	514	131.1	0.4

NOTE: Data reported for spiked samples were analyzed in the same batch, but may not necessarily be that of your sample.

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Report Date: 12/27/1994

#### Matrix Spike/Matrix Spike Duplicate Results

•	Spike	Sample		MS	MS %	MSD	MSD 🏅	
Compound	Amount	Result	Units	Result	Recovery	Result	Recovery	RPU
TCL Volatiles by GC/MS 8240	50	<6.0	ug/Kg	54.4	108.8	55.2	110.4	1.5
Benzene	0.0	<6.0	ug/Kg					
Bromodichloromethane	0.0	<6.0	ug/Kg					
Bromoform	0.0	<6.0	ug/Kg					
Bromomethane	0.0	<6.0	ug/Kg					
Carbon Disulfide	0.0	<6.0	ug/Kg					
Carbon Tetrachloride	50	<6.0	ug/Kg	52.5	105.0	55.8	111.6	6.1
Chlorobenzene	0.0	<6.0	ug/Kg					
Chloroethane	0.0	<6.0	ug/Kg					
2-Chloroethylvinyl ether	0.0	<6.0	ug/Kg					
Chloroform	0.0	<6.0	ug/Kg					
Chloromethane	0.0	<6.0	ug/Kg					
Dibromochloromethane	0.0	<6.0	ug/Kg					
1,2-Dichlorobenzene		<6.0	ug/Kg					
1,3-Dichlorobenzene	0.0	<6.0	ug/Kg					
1,4-Dichlorobenzene	0.0	<6.0	ug/Kg					
1,1-Dichloroethane	0.0	<6.0	ug/Kg ug/Kg					
1,2-Dichloroethane	0.0			58.5	117.0	53.5	107.0	8.9
1,1-Dichlorcethene	50	<6.0	ug/Kg	50.5	,,,	55.5		
1,2-Dichloropropane	0.0	<6.0	ug/Kg					
cis-1,3-Dichloropropene	0.0	<6.0	ug/Kg					
trans-1,3-Dichloropropene	0.0	<6.0	ug/Kg					
Ethylbenzene	0.0	<6.0	ug/Kg					
Methylene Chloride	0.0	<6.0	ug/Kg					
Styrene	0.0	<6.0	ug/Kg					
1,1,2,2-Tetrachloroethane	0.0	<6.0	ug/Kg					
Tetrachloroethene	0.0	<6.0	ug/Kg	57.5	115.0	59.8	119.6	3.9
Toluene	50	<6.0	ug/Kg	51.5	115.0	J7.0	717.0	7.7
1,1,1-Trichloroethane	0.0	<6.0	ug/Kg		•			
1,1,2-Trichloroethane	0.0	<6.0	ug/Kg	50.5	101.0	52.4	104.8	3.7
Trichloroethene	50	<6.0	ug/Kg	50.5	101.0	32.4	104.0	J.,
Trichlorofluoromethane	0.0	<6.0	ug/Kg					
Vinyl Acetate	0.0	<6.0	ug/Kg					
Vinyl Chloride	0.0	<6.0	ug/Kg					
m-Xylene	0.0	<6.0	ug/Kg					
o-Xylene	0.0	<6.0	ug/Kg					
p-Xyl ene	0.0	<6.0	ug/Kg					

NOTE: Data reported for spiked samples were analyzed in the same batch, but may not necessarily be that of your sample.

Report To: Aneptek

NET Job No: 94.04061

Project: No. Smithfield RI ANG Station

Report Date: 12/27/1994

Matrix Spike/Matrix Spike Duplicate Results

Compound	Spike Amount	Sample Result	Units	MS Result	NS % Recovery	MSD Result	MSD % Recovery	RPD
TCL Acid/Base/Neutrals 8270		<200	ug/Kg	10.	100.0	9.9	0.6	197.6
Acenaphthene 4-Chloro-3-Methylphenol	10. 15.	<200	ug/Kg	8.6	57.3	8.5	0.5	196.5
2-Chlorophenol	15.	<200	ug/Kg	7.9	52.7	8.0 8.4	0.5 0.5	196.2 197.7
1,4-Dichlorobenzene 2.4-Dinitrotoluene	10. 10.	<200 <200	ug/Kg ug/Kg	8.5 6.6	85.0 66.0	5.9	0.4	197.6
N-Nitroso-di-n-Propylamine	10.	<200	ug/Kg	8.6	86.0	8.7	0.5	197.7 196.0
4-Nitrophenol	15. 15.	<200 <200	ug/Kg ug/Kg	7.4 6.8	49.3 45.3	7.4 11.5	0.5 0.7	193.9
Pentachlorophenol Phenol	15.	<200	ug/Kg	7.6	50.7	7.7	0.5	196.1
Pyrene 1.2.4-Trichlorobenzene	10. 10.	550 <200	ug/Kg . ug/Kg	13.4 10.2	-5366.0 102.0	13.3 10.1	-33 <b>.</b> 5 0.6	197.5 197.7

NOTE: Data reported for spiked samples were analyzed in the same batch, but may not necessarily be that of your sample.

#### GRO MS/MSD

Lab Name: CAMBRG

Contract: Aneptek

Lab Code: CAMBRG

Case No: 94.04016 SDG No.: \_\_\_\_\_

Matrix Spike - EPA Sample No.: 113781

Matrix: SOIL

CONCENTRATION UNITS: ng/kg

Compound	Spike Added	Sample Concentration	MS Concentration	MS % Rec.	QC LIMITS REC.
aaa-TFT (surr)	50	N/A	35.8	72	60 - 120
GRO	27150	5400	17865	46*	60 - 120

			MSD		QC LIMITS		
Compound	Spike Added	MSD Concentration	% REC.	RPD	RPD	% RECOV.	
aaa-TFT (surr)	50	51.4	103	0.4	20	60 <b>- 120</b>	
GRO	27150	20363	55	18.2	20	60 - 120	

RPD:	1	out	of	2	outs	side	⊋ _	limits.	
Snika	Pecoverv	. 1			out	of	4	outside	limits

Comments:

Comments:

#### GRO LCS

LCS ID_	GR01212S
EXT. DATE_	12/12/94
MATRIX_	SOIL
CLIENT_	ANEPTEK

ANALYSIS DATE 12/15/94

SEQUENCE G:941213

ANALYST UMP

JOB # 94.04016

UNITS ng/mL

COMPOUND	CONCENTRATION SPIKED	CONCENTRATION RECOVERED	% RECOVERY	QC LIMITS
aaa-TFT (surr)	50	61	123	60-120
GRO	500	446	89	60-120

NET, Inc., Cambridge Division

 $\frac{1}{2}$  out of 2 outside of limits.

NATIONAL ENVIRONMENTAI TESTING, INC.	

# CHAIN OF CUSTODY RECORD

REPORT TO:

Jack chb

INVOICE TO:

4.1.6/4 ADDRESS 201 Went Center PHONE (500) (500) 1048

PROJECT NAME/LOCATION JU . S .... 1 A Mike Plum スペ・ロントの PROJECT MANAGER \_\_ PROJECT NUMBER \_\_\_

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NATIONAL ENVIRONMENTAL TESTING, INC.

# CHAIN OF CUSTODY RECORD

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# CHAIN OF CUSTODY RECORD

REPORT TO:\_

INVOICE TO:.

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CONDITION OF SAMPLE:	BOTTLES INTACT? YES / NO		COC SEALS PRESENT AND INTACT? YES / NO	TEMPERATURE UPON RECEIPT:
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SAMPLE REMAINDER DISPOSAL:		RETURN SAMPLE HEMAINDER TO CLEAN VIA INCIDENTIAL SAMPLE REMAINDERS	AINDERS	DATE
RELINCOIGNED BY	DATE/TIME	RECEIVED BY, C1-2	SETINOUISNED BY:	12/6/94 15-19 1 Michael Millerino
METHOD OF SHIPMENT		REMARKS:	CC	

#### ANALYTICAL REPORT

Report To:

Mr. John Lee

Aneptek

209 West Central Street

Natick, MA 01760

Project:

No. Smithfield RI ANG Station

12/30/1994

NET Job Number: 94.04158

National Environmental Testing

NET Atlantic, Inc. Cambridge Division 12 Oak Park Bedford, MA 01730

Massachusetts Certification Number M MA023

#### **NET** Cambridge Division

#### ANALYTICAL REPORT

Report To:

Mr. John Lee Aneptek 209 West Central Street Natick, MA 01760 Reported By:

National Environmental Testing NET Atlantic, Incorporated Cambridge Division 12 Oak Park Bedford, MA 01730

Report Date: 12/30/1994

NET Job Number: 94.04158

Project: No. Smithfield RI ANG Station

NET Client No: 4025

P.D. No: DAHA90-93-D-0003

Collected By: client

Shipped Via: Fedex

a Valercia

Job Description: Project # 94110.32

Airbill No: 1272922221

This report has been approved and certified for release by the following staff. Please feel free to call the NET Project Manager at 617-275-3535 with any questions or comments.

Alison P. Darrow NET Project Manager Report prepared by NET Reports Group

Analytical data for the following samples are included in this data report.

SAMPLE ID	NET ID	DATE TAKEN	TIME TAKEN	DATE REC'D	MATRIX
MW-03-7.5	114198	12/13/1994	13:50	12/15/1994	GROUND WATER
MW-04-7-5	114199	12/13/1994	11:35	12/15/1994	GROUND WATER
MW-01-12	114200	12/13/1994	09:00	12/15/1994	GROUND WATER
MW-02-7-5	114201	12/13/1994	15:00	12/15/1994	GROUND WATER
MW-03-7.5	114202	12/13/1994	13:50	12/15/1994	GROUND WATER
MW-04-7.5	114203	12/13/1994	11:35	12/15/1994	GROUND WATER
MW-02-7.5	114204	12/13/1994	15:00	12/15/1994	GROUND WATER
MW-01-12	114205	12/13/1994	09:00	12/15/1994	GROUND WATER

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-03-7.5

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Bat <b>ch</b>	Analyst
Metal Priority Pol Aq. Dig. SW846, 30 Aq. Dig. GFAA SW84 Antimony (Sb) DIS Arsenic (As) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Copper (Cu) Lead (Pb) Mercury (Hg) Nickel (Ni) Selenium (Se) Silver (Ag) Thallium (Tl)	10 mod AQ 6;3020mod AQ 846 ICP AQ 846 ICP AQ 846 ICP AQ 846 ICP AQ 846 ICP AQ 846 GFAA AQ 846 CVA AQ 846 ICP AQ 846 GFAA AQ 846 GFAA AQ 846 GFAA AQ	EPA 200 series SW846,3010 mod SW84,3020 mod GFAA SW846 ICP, 6010 SW846 furnace, 7000 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 furnace, 7000 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010	12/20/1994 12/19/1994 12/19/1994 <0.10 <0.010 <0.0050 <0.0050 <0.010 <0.010 <0.00020 <0.040 <0.0050 <0.010 <0.0050	date date mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	12/20/1994 12/19/1994 12/19/1994 12/21/1994 12/21/1994 12/21/1994 12/20/1994 12/20/1994 12/20/1994 12/20/1994 12/20/1994	5446cH 5446CH 5446CH 5446CH 5446CH 5446CH 5446CH 5446CH 5446CH 5446CH 5446CH	340 188 330 476 4460 490 490 467 431 136 442 114	ecw gsw gsw gmp mwt gmp gmp gmp gmp mwt drm gmp mwt gmp mwt gmp
Zinc (Zn) EX Acid/Base/Neut	846 ICP AQ rals 8270 AQ	SW846 ICP, 6010 SW-846, 3500	<0.020 12/20/1994	date	12/20/1994			hpn

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-03-7.5

Parameter	Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metal Priority Pollutants, AQ	EPA 200 series	12/20/1994		12/20/1994		108	ecw .
Aq. Dig. SW846, 3010 mod AQ	SW846,3010 mod	12/19/1994	date	12/19/1994	5446сы		gsw
Aq. Dig. SW846, 3010M mod. AQ	Aqueous dig. diss SW846	12/19/1994	date	12/19/1994	5446сы		gsw
Aq. Dig. GFAA. SW846,3020mod	SW846, 3020mod diss GFA	12/19/1994	date	12/19/1994	5446сы		gsw
Antimony (Sb) DIS 846 ICP AQ	SW846 ICP, 6010	<0.10	mg/L	12/21/1994	5446cw	340	9mp
Arsenic (As) DIS 846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/21/1994		188	mut
Beryllium (Be) DIS 846 ICP AQ	SW846 ICP, 6010	<0.0050	mg/L	12/20/1994	5446cw	330	gmp
Cadmium (Cd) DIS 846 ICP AQ	SW846 ICP, 6010	<0.0050	mg/L	12/21/1994	5446сы	476	gmp
Chromium (Cr) DIS 846 ICP AQ	SW846 ICP, 6010	<0.010	mg/L	12/21/1994	5446cw	460	gmp
Copper (Cu) DIS 846 ICP AQ	SW846 ICP, 6010	<0.010	mg/L	12/21/1994	5446сы	490	gmp
Lead (Pb) DIS 846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/20/1994	5446c₩	199	mut
Mercury (Hg) DIS 846 CVAA AQ	SW846 cold vapor, 7470	<0.00020	mg/L	12/20/1994		467	drm
Nickel (Ni) DIS 846 ICP AQ	SW846 ICP, 6010	<0.040	mg/L	12/21/1994	5446сы	431	gmp
Selenium (Se) DIS 846 GFAA AQ	SW846 furnace, 7000	<0.0050	mg/L	12/20/1994	5446сы	136	mut
Silver (Ag) DIS -846 ICP AQ	SW846 ICP, 6010	<0.010	mg/L	12/21/1994	5446сн	442	gmp
Thallium (TL) DIS-846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/20/1994	5446сы	114	mut
Zinc (Zn) DIS 846 ICP AQ	SW846 ICP, 6010	<0.020	mg/L	12/21/1994	5446cw	486	dub

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-03-7.5

Parameter	Result	Units	Analysis Date	•	Run Batch	Analyst
TPH (Purgable) 8015 - GRO AQ Gasoline Range Organics	<50	ug/L	12/22/1994		2	flm

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-03-7.5

e No: 114198 Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Volatiles, combined 8010/20 AQ			40.40(.4400)		333	<b></b> .
Benzene	<1.0	ug/L	12/26/1994		222	dry
Bromodichloromethane	<1.0	ug/L				
Bromoform	<1.0	ug/L				
Bromomethane	<1.0	ug/L				
Carbon Tetrachloride	<1.0	ug/L				
Chlorobenzene	<1.0	ug/L				
Chloroethane	<1.0	ug/L				
2-Chloroethylvinyl ether	<1.0	ug/L				
Chloroform	<1.0	ug/L				
Chloromethane	<1.0	ug/L				
Dibromochloromethane	<1.0	ug/L				
1,2-Dichlorobenzene	<1.0	ug/L				
1,3-Dichlorobenzene	<1.0	ug/L				
1,4-Dichlorobenzene	<1.0	ug/L				
Dichlorodifluoromethane	<1.0	ug/L				
1.1-Dichloroethane	<1.0	ug/L				
1.2-Dichloroethane	<1.0	ug/L				
1.1-Dichloroethene	<1.0	ug/Ł				
trans-1,2-Dichloroethene	<1.0	ug/L				
1.2-Dichloropropane	<1.0	ug/L				
cis-1.3-Dichloropropene	<1.0	ug/L				
trans-1.3-Dichloropropene	<1.0	ug/L				
Ethylbenzene	<1.0	ug/L				
Methylene Chloride	<1.0	υg/L				
1,1,2,2-Tetrachloroethane	<1.0	ug/L				
Tetrachloroethene	<1.0	ug/L				
Toluene	<1.0	ug/L				
1,1,1-Trichloroethane	<1.0	ug/L				
1,1,2-Trichloroethane	<1.0	ug/L				
Trichloroethene	<1.0	ug/L				
Trichlorofluoromethane	<1.0	ug/L				
Vinyl Chloride	<1.0	ug/L	•			
m-Xylene	<1.0	ug/L				
o-Xylene	<1.0	ug/L				
p-Xylene	<1.0	ug/L				
p Afteric		<u>.</u>				

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Date Rec'd: 12/15/1994

Project: No. Smithfield RI ANG Station

Sample ID: MW-03-7.5

NET	Sample	No:	114198
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e No: 114198 Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
TCL Acid/Base/Neutrals 8270 AQ						
Acenaphthene	<2	ug/L	12/24/1994	349	877	jcg
Acenaphthylene	<2	ug/L	• •			
Anthracene	<2	ug/L				
Benzidine	<2	ug/L .				
Benzo(a)Anthracene	<2	ug/L				
Benzo(a)Pyrene	<2	ug/L				
Benzo(b)Fluoranthene	<2	ug/L				
Benzo(g,h,i)Perylene	<2	ug/L				
Benzo(k)Fluoranthene	<2	ug/L				
Benzoic Acid	<2	ug/L				
= :	<2	ug/L				
Benzyl Alcohol	<2	ug/L				
4-Bromophenyl-phenylether	<2	ug/L				
Butylbenzylphthalate	<2	ug/L				
4-Chloro-3-Methylphenol	<2	ug/L				
4-Chloroaniline	<2	ug/L				
bis(2-Chloroethoxy)Methane		_				
bis(2-Chloroethyl)Ether	<2	ug/L				
bis(2-Chloroisopropyl)Ether	<2	ug/L				
2-Chloronaphthalene	<2	ug/L				
2-Chlorophenol	<2	ug/L				
4-Chlorophenyl-phenylether	<2	ug/L				
Chrysene	<2	ug/L				
Di-n-Butylphthalate	<2	ug/L			•	
Di-n-Octyl Phthalate	<2	ug/L		-		
Dibenz(a,h)Anthracene	<2	ug/L				
Dibenzofuran	<2	ug/L				
1,2-Dichlorobenzene	<2	ug/L				
1,3-Dichlorobenzene	<2	ug/L				
1,4-Dichlorobenzene	<2	ug/L				
3,3'-Dichlorobenzidine	<2	ug/L				
2,4-Dichtorophenol	<2	ug/L				
Diethylphthalate	<2	ug/L				
Dimethyl Phthalate	<2	ug/L				
2,4-Dimethylphenol	<2	ug/L				
4,6-Dinitro-2-Methylphenol	<2	ug/L				
2,4-Dinitrophenol	<2	ug/L				
2,4-Dinitrotoluene	<2	ug/L				
2,6-Dinitrotoluene	<2	ug/L				
bis(2-Ethylhexyl)Phthalate	<2	ug/L				
Fluoranthene	<2	ug/L				
Fluorene	<2	ug/L				
Hexachlorobenzene	<2	ug/L				
Hexachlorobutadieme	<2 <2	ug/L				
Hexachlorocyclopentadiene	<2	ug/L				
Hexachloroethane	<2	ug/L				
Indeno(1,2,3-cd)Pyrene	<2	ug/L				
Isophorone	<2	ug/L				

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-03-7.5

e No: 114198 Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
2-Methylnaphthalene	<2	ug/L				
2-Methylphenol	<2	ug/L	12/24/1994	349	877	jcg
4-Methylphenol	<2	ug/L				
N-Nitroso-di-n-Propylamine	<2	ug/L				
N-Nitrosodimethylamine	<2	ug/L				
N-Nitrosodiphenylamine	<2	ug/L				
Naphthalene	<2	ug/L				
2-Nitroaniline	<2	ug/L				
3-Nitroaniline	<2	ug/L				
4-Nitroaniline	<2	ug/L				
Nitrobenzene	<2	ug/L				
2-Nitrophenol	<2	ug/L				
4-Nitrophenol	<2	ug/L				
Pentachlorophenol	<2	ug/L				
Phenanthrene	<2	ug/L	•			
Phenol	<2	ug/L				
Pyrene .	<2	ug/L				
1,2,4-Trichlorobenzene	<2	ug/L				
2.4.5-Trichlorophenol	<2	ug/L				
2,4,6-Trichlorophenol	<2	ug/L				

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-04-7.5

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metal Priority Po Aq. Dig. SW846, 30 Aq. Dig. GFAA SW8 Antimony (Sb) DIS Arsenic (As)	010 mod AQ 46,3020mod AQ	Method  EPA 200 series SW846,3010 mod SW84,3020 mod GFAA SW846 ICP, 6010 SW846 furnace, 7000 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 GICP, 7000 SW846 cold vapor, 7470	12/20/1994 12/19/1994 12/19/1994 <0.10 <0.010 <0.0050 <0.0050 0.053 0.038 0.023 <0.00020	date date mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	12/20/1994 12/19/1994 12/19/1994 12/21/1994 12/21/1994 12/20/1994 12/21/1994 12/21/1994 12/20/1994 12/20/1994	5446ch 5446ch 5446ch 5446ch 5446ch 5446ch 5446ch	340 188 330 476 460 490 199 467	ecw gsw gsp mwt gmp gmp gmp gmp gmp gmp drm
Nickel (Ni) Selenium (Se) Silver (Ag) Thallium (Tl) Zinc (Zn) EX Acid/Base/Neut	846 ICP AQ 846 ICP AQ 846 ICP AQ 846 ICP AQ	SW846 ICP, 6010 SW846 furnace, 7000 SW846 ICP, 6010 SW846 furnace, 7000 SW846 ICP, 6010 SW-846, 3500	<0.040 <0.0050 <0.010 <0.010 0.20 12/20/1994	mg/L mg/L mg/L mg/L mg/L date	12/21/1994 12/20/1994 12/21/1994 12/20/1994 12/21/1994 12/20/1994	5446cw 5446cw 5446cw 5446cw	136 442 114 486	gmp mut gmp mut hpm

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-04-7.5

Parameter	Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metal Priority Pollutants, AQ Aq. Dig. SW846, 3010 mod AQ Aq. Dig. SW846, 3010M mod. AQ	EPA 200 series SW846,3010 mod Aqueous dig. diss SW846	12/20/1994 12/19/1994 12/19/1994	date date	12/20/1994 12/19/1994 12/19/1994	5446сы		ech gsh gsh
Aq. Dig. GFAA. SW846,3020mod Antimony (Sb) DIS 846 ICP AQ Arsenic (As) DIS 846 GFAA AQ	SW846, 3020mod diss GFA SW846 ICP, 6010 SW846 furnace, 7000	12/19/1994 <0.10 <0.010	date mg/L mg/L	12/19/1994 12/21/1994 12/21/1994	5446cw	340 188	gsw gmp mwt
Beryllium (Be) DIS 846 ICP AQ Cadmium (Cd) DIS 846 ICP AQ Chromium (Cr) DIS 846 ICP AQ	SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010	<0.0050 <0.0050 <0.010	mg/L mg/L mg/L	12/20/1994 12/21/1994 12/21/1994	5446cw 5446cw	476 460	gwb gwb
Copper (Cu) DIS 846 ICP AQ Lead (Pb) DIS 846 GFAA AQ Mercury (Hg) DIS 846 CVAA AQ	SW846 ICP, 6010 SW846 furnace, 7000 SW846 cold vapor, 7470	<0.010 <0.010 <0.00020	mg/L mg/L mg/L	12/21/1994 12/20/1994 12/20/1994 12/21/1994	5446ch	199 46 <b>7</b>	gmp gmp
Nickel (Ni) DIS 846 ICP AQ Selenium (Se) DIS 846 GFAA AQ Silver (Ag) DIS 846 ICP AQ	SW846 ICP, 6010 SW846 furnace, 7000 SW846 ICP, 6010	<0.040 <0.0050 <0.010	mg/L mg/L mg/L mg/L	12/21/1994 12/20/1994 12/21/1994	5446cw 5446cw	136 442	met gmp met
Thallium (Tl) DIS 846 GFAA AQ Zinc (Zn) DIS 846 ICP AQ	SW846 furnace, 7000 SW846 ICP, 6010	<0.010 0.056	mg/L	12/21/1994			amb

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-04-7.5

e NO: 114177			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
Volatiles, combined 8010/20 AQ						
Benzene	<1.0	ug/L ·	12/26/1994		333	dry
Bromodichloromethane	<1.8	ug/L				
Bromoform	<1.0	ug/L				
Bromomethane	<1.0	ug/L				
Carbon Tetrachloride	<1.0	ug/L	•			
Chlorobenzene	<1.0	ug/L				
Chloroethane	<1.0	ug/L				
2-Chloroethylvinyl ether	<1.0	ug/L				
Chloroform	<1.0	ug/L				
Chloromethane	<1.0	ug/L				
Dibromochloromethane	<1.0	ug/L				
1.2-Dichlorobenzene	<1.0	ug/L				
1.3-Dichlorobenzene	<1.0	ug/L				
1,4-Dichlorobenzene	<1.0	ug/L				
Dichlorodifluoromethane	<1.0	ug/L				
1.1-Dichloroethane	<1.0	ug/L				
1.2-Dichloroethane	<1.0	ug/L			,	
1.1-Dichloroethene	<1.0	ug/L				
trans-1,2-Dichloroethene	<1.0	ug/L				
1.2-Dichloropropane	<1.0	ug/L				
cis-1,3-Dichloropropene	<1.0	ug/L				
trans-1,3-Dichloropropene	<1.0	ug/L				
Ethylbenzene	<1.0	ug/L		•		
Methylene Chloride	<1.0	ug/L				
1,1,2,2-Tetrachloroethane	<1.0	ug/L				
Tetrachloroethene	<1.0	ug/L				
Toluene	<1.0	ug/L				
1.1.1-Trichloroethane	<1.0	ug/L				
1,1,2-Trichloroethane	<1.0	ug/L				
Trichloroethene	<1.0	ug/L				
Trichlorofluoromethane	<1.0	ug/L				
Vinyl Chloride	<1.0	ug/L				
m-Xylene	<1.0	ug/L				
o-Xylene	<1.0	ug/L				
p-Xylene	<1.0	ug/L				

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-04-7.5

e No: 114199	Donal B	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Parameter	Result					
TCL Acid/Base/Neutrals 8270 AQ						
Acenaphthene	<2	ug/L	12/24/1994	349	877	jcg
Acenaphthylene	<2	ug/L				
Anthracene	<2	ug/L				
Benzidine .	<2	ug/L				
Benzo(a)Anthracene	<2	ug/L				
Benzo(a)Pyrene	<2	ug/L			•	
Benzo(b)Fluoranthene	<2	ug/L				
Benzo(g,h,i)Perylene	<2	ug/L				
Benzo(k)Fluoranthene	<2	ug/L				
Benzoic Acid	<2	ug/L				
Benzyl Alcohol	<2	ug/L				
4-Bromophenyl-phenylether	<2	ug/L				
Butylbenzylphthalate	<2	ug/L				
4-Chloro-3-Methylphenol	<2	ug/L				
4-Chloroaniline	<2	ug/L				
bis(2-Chloroethoxy)Methane	<2	ug/L	-			
bis(2-Chloroethyl)Ether	<2	ug/L	÷			
bis(2-Chloroisopropyl)Ether	<2	ug/L				
2-Chloronaphthalene	<2	ug/L				
2-Chlorophenol	<2	ug/L				
4-Chlorophenyl-phenylether	<2	. ug/L				
Chrysene	<2	ug/L				
Di-n-Butylphthalate	<2	ug/L				
Di-n-Octyl Phthalate	<2	ug/L				
Dibenz(a,h)Anthracene	<2 ·	ug/L	•			
Dibenzofuran	<2	ug/L				
1.2-Dichlorobenzene	<2	ug/L				
1,3-Dichlorobenzene	<2	ug/L				
1.4-Dichlorobenzene	· <2	ug/L				
3.3'-Dichlorobenzidine	<2	ug/L				
2,4-Dichlorophenol	<2	ug/L		•		
Diethylphthalate	<2	ug/L				
Dimethyl Phthalate	<2	ug/L				
2,4-Dimethylphenol	<2	ug/L				
4,6-Dinitro-2-Methylphenol	<2	ug/L				
2,4-Dinitrophenol	<2	ug/L				
2,4-Dinitrotoluene	<2	ug/L				
2,6-Dinitrotoluene	<2	ug/L				
bis(2-Ethylhexyl)Phthalate	<2	ug/L				
Fluoranthene	<2	ug/L				
Fluorene	<2	ug/L				
Hexachlorobenzene	<2	ug/L				
Hexachlorobutadiene	<5	ug/L			-	
Hexachlorocyclopentadiene	<b>&lt;</b> 2	ug/L				
Hexachloroethane	<2	ug/L				
Indeno(1,2,3-cd)Pyrene	<2	ug/L				
Isophorone	<2	ug/L				

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-04-7.5

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<2	ug/L				_
2-Methylphenol	<2	ug/L	12/24/1994	349	877	jcg
4-Methylphenol	<2	ug/L				
N-Nitroso-di-n-Propylamine	<2	ug/L				
N-Nitrosodimethylamine	<2	ug/L				
N-Nitrosodiphenylamine	<2	ug/L				
Naphthalene	<2	ug/L				
2-Nitroaniline	<2	ug/L				
3-Nitroaniline	<2	ug/L				
4-Nitroaniline	<2	ug/L				
Nitrobenzene	<2	ug/L				
2-Nitrophenol	<2	ug/L				
4-Nitrophenol	<2	ug/L				
Pentachlorophenol	<2	ug/L				
Phenanthrene	<2	ug/L				
Phenol	<2	ug/L				
Pyrene	<2	ug/L				•
1,2,4-Trichlorobenzene	<2	ug/L				
2,4,5-Trichlorophenol	<2	ug/L				
2,4,6-Trichlorophenol	<2	ug/L				

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MU-01-12

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metal Priority Pol	lutante AO	EPA 200 series	12/20/1994		12/20/1994		108	есы
Aq. Dig. SW846, 30		SW846.3010 mod	12/19/1994	date	12/19/1994	5446сы		gsw
Aq. Dig. GFAA SW84		SW84.3020 mod GFAA	12/19/1994	date	12/19/1994	5446cw		gsw
Antimony (Sb) DIS		SW846 ICP, 6010	<0.10	mg/L	12/21/1994	5446сы	340	amb
Arsenic (As)	846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/21/1994		188	met
	846 ICP AQ	SW846 ICP, 6010	<0.0050	mg/L	12/20/1994	5446сы	330	gm <b>b</b>
201 / 117	846 ICP AQ	SW846 ICP, 6010	<0.0050	mg/L	12/21/1994	5446сы	476	gmp
	846 ICP AQ	SW846 ICP. 6010	0.020	mg/L	12/21/1994	5446сы	460	amb
Copper (Cu)	846 ICP AQ	SW846 ICP. 6010	0.011	mg/L	12/21/1994	5446сы	490	gmp
Lead (Pb)	846 GFAA AQ	SW846 furnace, 7000	0.010	mg/L	12/20/1994	5446cw	199	mwt
Mercury (Hg)	846 CVA AQ	SW846 cold vapor, 7470	<0.00020	mg/L	12/20/1994		467	drm
Nickel (Ni)	846 ICP AQ	SW846 ICP, 6010	<0.040	mg/L	12/21/1994	5446cw	431	gmp
Selenium (Se)	846 GFAA AQ	SW846 furnace, 7000	<0.0050	mg/L	12/20/1994	5446сы	136	met
Silver (Ag)	846 ICP AQ	SW846 ICP. 6010	<0.010	mg/L	12/21/1994	5446сы	442	9mp
Thallium (Tl)	846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/20/1994	5446cw	114	mert
Zinc (Zn)	846 ICP AQ	SW846 ICP, 6010	0.046	mg/L	12/21/1994	5446cw	486	<b>Bub</b>
EX Acid/Base/Neutr		sw-846, 3500	12/20/1994	date	12/20/1994	exabn_		hpm

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-01-12

Parameter	Method	Result	Units	Analysis Date	•	Run Batch	Analyst
	000	42 /20 /400/		12/20/1994		 108	ecw
Metal Priority Pollutants, AQ	EPA 200 series	12/20/1994	data	12/19/1994			gsw
Aq. Dig. SW846, 3010 mod AQ	SW846,3010 mod	12/19/1994	date				•
Aq. Dig. SW846, 3010M mod. AQ	Aqueous dig. diss SW846	12/19/1994	date	12/19/1994			gsw
Aq. Dig. GFAA. SW846,3020mod	SW846, 3020mod diss GFA	12/19/1994	date	12/19/1994			gsw
Antimony (Sb) DIS 846 ICP AQ	SW846 ICP, 6010	<0.10	mg/L	12/21/1994	5446сы	340	amb
Arsenic (As) DIS 846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/21/1994		188	mwt
Beryllium (Be) DIS 846 ICP AQ	SW846 ICP. 6010	<0.0050	mg/L	12/20/1994	5446cw	330	amb
Cadmium (Cd) DIS 846 ICP AQ	SW846 ICP, 6010	<0.0050	mg/L	12/21/1994	5446сы	476	gmp
Chromium (Cr) DIS 846 ICP AQ	SW846 ICP, 6010	<0.010	mg/L	12/21/1994	5446сы	460	gmp
Copper (Cu) DIS 846 ICP AQ	SW846 ICP, 6010	<0.010	mg/L	12/21/1994	5446сн	490	gmp
Lead (Pb) DIS 846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/20/1994	5446cw	199	mut
Mercury (Hg) DIS 846 CVAA AQ	SW846 cold vapor, 7470	<0.00020	mg/L ~	12/20/1994		467	drm
Nicket (Ni) DIS 846 ICP AQ	SW846 ICP, 6010	<0.040	mg/L	12/21/1994	5446cw	431	<b>Suib</b>
Selenium (Se) DIS 846 GFAA AQ	SW846 furnace, 7000	<0.0050	mg/L	12/20/1994	5446сы	136	THE T
Silver (Ag) DIS 846 ICP AQ	SW846 ICP, 6010 .	<0.010	mg/L	12/21/1994	5446сы	442	gmp
Thallium (Tl) DIS 846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/20/1994	5446cH	114	THE
Zinc (Zn) DIS 846 ICP AQ	SW846 ICP, 6010	<0.020	mg/L	12/21/1994	5446cw	486	amb

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield Ri ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-01-12

NET Sample No: 114200

Analysis Prep Run

Batch Batch Analyst Date Units Result Parameter TPH (Purgable) 8015 - GRO AQ

<50

Gasoline Range Organics

12/22/1994 ug/L

flm

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-01-12

e No: 114200			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
Volatiles, combined 8010/20 AQ						
Benzene	<1.0	ug/L	12/26/1994		333	dry
Bromodichloromethane	<1.0	ug/L				
Bromoform	<1.0	ug/L				
Bromomethane	<1.0	ug/L				
Carbon Tetrachloride	<1.0	ug/L				
Chlorobenzene	<1.0	ug/L				
Chloroethane	<1.0	ug/L				
2-Chloroethylvinyl ether	<1.0	ug/L				
Chloroform	<1.0	ug/L				
Chloromethane	<1.0	ug/L				
Dibromochloromethane	<1.0	ug/L				
1,2-Dichlorobenzene	<1.0	ug/L				
1,3-Dichlorobenzene	<1.0	ug/L				
1,4-Dichlorobenzene	<1.0	ug/L				
Dichlorodifluoromethane	<1.0	ug/L	•			
1.1-Dichloroethane	<1.0	ug/L				
1,2-Dichloroethane	<1.0	ug/L				
1.1-Dichloroethene	<1.0	ug/L				
trans-1,2-Dichloroethene	<1.0	ug/L				
1,2-Dichloropropane	<1.0	ug/L				
cis-1,3-Dichloropropene	<1.0	ug/L				
trans-1,3-Dichloropropene	<1.0	ug/L				
Ethylbenzene	<1.0	ug/L				
Methylene Chloride	<1.0	ug/L				
1,1,2,2-Tetrachloroethane	<1.0	ug/L				
Tetrachloroethene	<1.0	ug/L				
Toluene	<1.0	ug/L				
1,1,1-Trichloroethane	<1.0	ug/L				
1,1,2-Trichloroethane	<1.0	ug/L				
Trichloroethene	<1.0	ug/L				
Trichlorofluoromethane	<1.0	ug/L				
Vinyl Chloride	<1.0	ug/L				
m-Xylene	<1.0	ug/L				
o-Xylene	<1.0	ug/L				
p-Xylene	<1.0	ug/L				

. Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-01-12

			Analysis		Run	_
Parameter	Result	Units	Date	Batch	Batch	Analyst 
TCL Acid/Base/Neutrals 8270 AQ						
Acenaphthene	<2	ug/L	12/24/1994	349	877	jcg
Acenaphthylene	<2	ug/L				
Anthracene	<2 .	ug/L				
Benzidine	<2	ug/L				
Benzo(a)Anthracene	<2	ug/L				
Benzo(a)Pyrene	<2	ug/L				
Benzo(b)Fluoranthene	<2	ug/L				
Benzo(g,h,i)Perylene	<2	ug/Ł				
Benzo(k)Fluoranthene	<2	ug/L				
Benzoic Acid	<2	ug/L				
Benzyl Alcohol	<2	ug/L			·	
4-Bromophenyl-phenylether	<2	ug/L				
Butylbenzylphthalate	<2	ug/L				
4-Chloro-3-Methylphenol	<2	ug/L				
4-Chloroaniline	<2	ug/L				
bis(2-Chloroethoxy)Methane	<2	ug/L				
bis(2-Chloroethyl)Ether	<2	ug/L				
bis(2-Chloroisopropyl)Ether	<2	ug/L				
	<2	ug/L				
2-Chloronaphthalene	<2	ug/L				
2-Chlorophenol	<2	ug/L				
4-Chlorophenyl-phenylether	<2	ug/L				
Chrysene	<2	ug/L				
Di-n-Butylphthalate	<2	ug/L				
Di-n-Octyl Phthalate	<2 <2	ug/L				
Dibenz(a,h)Anthracene	<2	ug/L				
Dibenzofuran	<2 <2	ug/L				
1,2-Dichlorobenzene	<2					
1,3-Dichlorobenzene		ug/L				
1,4-Dichlorobenzene	<2	ug/L				
3,3'-Dichlorobenzidine	<2	ug/L				
2,4-Dichlorophenol	<2	ug/L				
Diethylphthalate	<2	ug/L				
Dimethyl Phthalate	<2	ug/L				
2,4-Dimethylphenol	<2	ug/L				
4,6-Dinitro-2-Methylphenol	<2	ug/L				
2,4-Dinitrophenol	<2	ug/L				
2,4-Dinitrotoluene	<2	ug/L				
2,6-Dinitrotoluene	<2	ug/L				
bis(2-Ethylhexyl)Phthalate	<2	ug/L				
Fluoranthene	<2	ug/L				
Fluorene	<2	ug/L				
Hexachlorobenzene	<2	ug/L				
Hexachlorobutadiene	<2	ug/L				
Hexachlorocyclopentadiene	<2	ug/L				
Hexachloroethane	<2	ug/L				
Indeno(1,2,3-cd)Pyrene	<2	ug/L				
Isophorone	<2	ug/L				

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-01-12

C 1132 77.24-			Analysis	Ргер	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	<2	ug/L				
2-Methylphenol	<2	ug/L	12/24/1994	349	877	jcg
4-Methylphenol	<2	ug/L				
N-Nitroso-di-n-Propylamine	<2	ug/L				
N-Nitrosodimethylamine	<2	ug/L				
N-Nitrosodiphenylamine	<2	ug/L				
Naphthalene	<2	ug/L				
2-Nitroaniline	<2	ug/L				
3-Nitroaniline	<2	ug/L				
4-Nitroaniline	<2	· ug/L				
Nitrobenzene	<2	ug/L	•			
2-Nitrophenol	<2	ug/L	•			
4-Nitrophenol	<2	ug/L	4			
Pentachlorophenol	<2	ug/L				
Phenanthrene	<2	ug/L				
Phenol	<b>&lt;2</b>	ug/L				
Pyrene	<2	ug/L	•			
1,2,4-Trichlorobenzene	<2	ug/L				
2,4,5-Trichlorophenol	<2	ug/L				
2,4,6-Trichlorophenol	<2	ug/L	•			

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-02-7.5

Parameter		Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metal Priority Pol	lutants. AQ	EPA 200 series	12/20/1994		12/20/1994		108	есы
Aq. Dig. SW846, 30		SW846,3010 mod	12/19/1994	date	12/19/1994	5446сы		gsw
Aq. Dig. GFAA SW84		SW84,3020 mod GFAA	12/19/1994	date	12/19/1994	5446cw		gsw
Antimony (Sb) DIS		SW846 ICP, 6010	<0.10	mg/L	12/21/1994	5446сы	340	gmp
Arsenic (As)	846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/21/1994		188	mwt
	846 ICP AQ	SW846 ICP, 6010	<0.0050	mg/L	12/20/1994	5446cw	330	gmp
Cadmium (Cd)	846 ICP AQ	SW846 ICP, 6010	<0.0050	mg/L	12/21/1994	5446cw	476	gmp
Chromium (Cr)	846 ICP AQ	SW846 ICP, 6010	0.017	mg/L	.12/21/1994	5446cw	460	gmp
Copper (Cu)	846 ICP AQ	SW846 ICP, 6010	0.024	mg/L	12/21/1994	5446cw	490	gmp
Lead (Pb)	846 GFAA AQ	SW846 furnace, 7000	0.013	mg/L	12/20/1994	5446cw	199	mwt
Mercury (Hg)	846 CVA AQ	SW846 cold vapor, 7470	<0.00020	mg/L	12/20/1994		467	drm
Nickel (Ni)	846 ICP AQ	SW846 ICP, 6010	<0.040	mg/L	12/21/1994	5446сы	431	gmp
Selenium (Se)	846 GFAA AQ	SW846 furnace, 7000	<0.0050	mg/L	12/20/1994	5446сы	136	THE .
Silver (Ag)	846 ICP AQ	SW846 ICP, 6010	<0.010	mg/L ·	12/21/1994	5446сы	442	<b>Gwb</b>
Thallium (Ti)	846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/20/1994	5446сы	114	mut
Zinc (Zn)	846 ICP AQ	SW846 ICP, 6010	0.060	mg/L	12/21/1994	5446сы	486	gmp
EX Acid/Base/Neuti	rals 8270 AQ	sw-846, 3500	12/20/1994	date	12/20/1994	exabn_		hpm

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-02-7.5

Parameter	Method	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Metal Priority Pollutants, AQ	EPA 200 series	12/20/1994		12/20/1994		108	ech
Ag. Dig. SW846, 3010 mod AQ	SW846,3010 mod	12/19/1994	date	12/19/1994	5446сы		gsw
Aq. Dig. SW846, 3010M mod. AQ	Aqueous dig. diss SW846	12/19/1994	date	12/19/1994	5446cw		gsw
Aq. Dig. GFAA. SW846,3020mod	SW846, 3020mod diss GFA	12/19/1994	date	12/19/1994	5446сы		gsw
Antimony (Sb) DIS 846 ICP AQ	SW846 ICP, 6010	<0.10	mg/L	12/21/1994	5446cw	340	gmp
Arsenic (As) DIS 846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/21/1994		188	mut
Beryllium (Be) DIS 846 ICP AQ	SW846 ICP, 6010	<0.0050	mg/L	12/20/1994	5446cw	330	gmp
Cadmium (Cd) DIS 846 ICP AQ	SW846 ICP, 6010	<0.0050	mg/L	12/21/1994	5446cw	476	gmp
Chromium (Cr) DIS 846 ICP AQ	SW846 ICP, 6010	<0.010	mg/L	12/21/1994	5446cw	460	9mp
Copper (Cu) DIS 846 ICP AQ	SW846 ICP, 6010	<0.010	mg/L .	12/21/1994	5446cw	490	gmp
Lead (Pb) DIS 846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/20/1994	5446сы	199	mut
Mercury (Hg) DIS 846 CVAA AQ	SW846 cold vapor, 7470	<0.00020	mg/L	12/20/1994		467	drm
Nickel (Ni) DIS 846 ICP AQ	SW846 ICP, 6010	<0.040	mg/L	12/21/1994	5446сы	431	gmp
Selenium (Se) DIS 846 GFAA AQ	SW846 furnace, 7000	<0.0050	mg/L	12/20/1994	5446сы	136	mert
Silver (Ag) DIS 846 ICP AQ	SW846 ICP, 6010	<0.010	mg/L	12/21/1994	5446сн	442	gmp
Thallium (Tl) DIS 846 GFAA AQ	SW846 furnace, 7000	<0.010	mg/L	12/20/1994	5446сы	114	met
Zinc (Zn) DIS 846 ICP AQ	SW846 ICP, 6010	0.027	mg/L	12/21/1994	5446сн	486	gm <b>b</b>

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-02-7.5

NET Sample No: 114201

Analysis Prep Run

Parameter Result Units Date Batch Batch Analyst

TPH (Purgable) 8015 - GRO AQ

Gasoline Range Organics <50 ug/L 12/22/1994 2 flm

.

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-02-7.5

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Volatiles, combined 8010/20 AQ						
Benzene	<1.0	ug/L	12/26/1994		333	dry
Bromodichloromethane	<1.0	ug/L				
Bromoform	<1.0	ug/L				
Bromomethane	<1.0	ug/L				
Carbon Tetrachloride	<1.0	ug/L				
Chlorobenzene	<1.0	ug/L				
Chloroethane	<1.0	ug/L				
2-Chloroethylvinyl ether	<1.0	ug/L				
Chloroform	<1.0	ug/L				
Chloromethane	<1.0	ug/L				
Dibromochloromethane	<1.0	ug/L				
1,2-Dichlorobenzene	<1.0	ug/L				
1.3-Dichlorobenzene	<1.0	ug/L				
1,4-Dichlorobenzene	<1.0	ug/L				
Dichlorodifluoromethane	<1.0	ug/L				
1.1-Dichloroethane	<1.0	ug/L				
1.2-Dichloroethane	<1.0	ug/L				
1.1-Dichloroethene	<1.0	ug/L				
trans-1,2-Dichloroethene	<1.0	ug/L				
1.2-Dichloropropane	<1.0	ug/L				
cis-1,3-Dichloropropene	<1.0	ug/L				
trans-1,3-Dichloropropene	<1.0	ug/L				
Ethylbenzene	<1.0	ug/L				
Methylene Chloride	<1.0	ug/L				
1,1,2,2-Tetrachloroethane	<1.0	ug/L				
Tetrachloroethene	<1.0	ug/L				
Toluene	<1.0	ug/L		•		
1,1,1-Trichloroethane	<1.0	ug/L	<u></u>			
1,1,2-Trichloroethane	<1.0	ug/L				
Trichloroethene	<1.0	ug/L				•
Trichlorofluoromethane	<1.0	ug/L				
Vînyl Chloride	<1.0	ug/L				
m-Xylene	<1.0	ug/L				
o-Xylene	<1.0	ug/L				
p-Xylene .	<1.0	ug/L				

Report Date: 12/30/1994

Project: No. Smithfield RI ANG Station

Report To: Aneptek

NET Job No: 94.04158

Date Rec'

Date Rec'd: 12/15/1994

Sample ID: MW-02-7.5

Parameter	Result	Units	Analysis Date	Prep B <b>atch</b>	Run Bat <b>ch</b>	Analyst
TCL Acid/Base/Neutrals 8270 AQ	_		12/2//100/	349	877	ica
Acenaphthene	<2	ug/L	12/24/1994	349	011	jcg
Acenaphthylene	<2	ug/L				
Anthracene	<2	ug/L				
Benzidine	<2	ug/L				
Benzo(a)Anthracene	<2	ug/L				
Benzo(a)Pyrene	<2 .	ug/L				
Benzo(b)Fluoranthene	<2	ug/L				
Benzo(g,h,i)Perylene	<2	ug/L				
Benzo(k)Fluoranthene	<2	ug/L				
Benzoic Acid	<2	ug/L				
Benzyl Alcohol	<2	ug/L				
4-Bromophenyl-phenylether	<2	ug/L				
Butylbenzylphthalate	<2	ug/L				
4-Chloro-3-Methylphenol	<2	ug/L				
4-Chloroaniline	<2	ug/L				
bis(2-Chloroethoxy)Methane	<2	ug/L				
bis(2-Chloroethyl)Ether	<2	ug/L				
bis(2-Chloroisopropyl)Ether	<2	ug/L				
2-Chloronaphthalene	<2	ug/L				
2-Chlorophenol	<2	ug/L				
4-Chlorophenyl-phenylether	<2	ug/L				
Chrysene	<2	ug/L				
Di-n-Butylphthalate	<2	ug/L				
Di-n-Octyl Phthalate	<2	ug/L .				
Dibenz(a,h)Anthracene	<2	ug/L				
Dibenzofuran	<2	. ug/L				•
1,2-Dichlorobenzene	<2	ug/L				
1.3-Dichlorobenzene	<2	ug/L				
1,4-Dichlorobenzene	<2	ug/L				
3,3'-Dichlorobenzidine	<2	ug/L	•			
2,4-Dichlorophenol	<2	ug/L				
Diethylphthalate	<2	ug/L				
Dimethyl Phthalate	<2	ug/L				
2,4-Dimethylphenol	<2	ug/L				
4,6-Dinitro-2-Methylphenol	<2	ug/L				
2,4-Dinitrophenol	<2	ug/L				
2,4-Dinitrotoluene	<2	ug/L				
2.6-Dinitrotoluene	<2	ug/L				
bis(2-Ethylhexyl)Phthalate	<2	ug/L				
Fluoranthene	<2	ug/L				
Fluorene	<2	ug/L				
Hexachlorobenzene	<2	ug/L				
Hexachlorobutadiene	<b>.</b> <2	ug/L				
Hexachlorocyclopentadiene	<b>&lt;</b> 2	ug/L				
Hexachloroethane	<2	ug/L				
Indeno(1,2,3-cd)Pyrene	<2	ug/L				
Isophorone	<2	ug/L				

Report Date: 12/30/1994

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/15/1994

Sample ID: MW-02-7.5

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
2-Methylnaphthalene	<2	ug/L		7.0		
2-Methylphenol	<2	ug/L	12/24/1994	349	877	jcg
4-Methylphenol	<2	ug/L				
N-Nitroso-di-n-Propylamine	<2	ug/L				
N-Nitrosodimethylamine	<2	ug/L				
N-Nitrosodiphenylamine	<2	ug/L				
Naphthalene	<2	ug/L				
2-Nitroaniline	<2	ug/L				
3-Nitroaniline	<2	ug/L				
4-Nitroaniline	<2	ug/L				
Nitrobenzene	<2	ug/L				
2-Nîtrophenol	<2	ug/L				
4-Nitrophenol	<2	ug/L				
Pentachlorophenol	<2	ug/L				
Phenanthrene	<2	ug/L				
Phenol	<2	ug/L				
Pyrene .	<2	ug/L				
1,2,4-Trichlorobenzene	<2	ug/L				
2,4,5-Trichlorophenol	<2	ug/L		÷		
2,4,6-Trichlorophenol	<2	ug/L				

### QC SUMMARY FOR INORGANICS REPORT: PRE-DIGESTION SPIKES

NET-CAMBRIDGE DIVISION
Date of report: 12/27/94

Work ID:

SDG/ Batch: 9404158

Fage: 2

======= Spike:	========	4158-114200 (Aqueous)							
		Sample	Spike	Added	%Recovery				
Slement Ag As Be Cd Cr Cu Hg Ni	+	< 0.010 mg/L < 0.010 mg/L < 0.0050 mg/L < 0.0050 mg/L 0.020 mg/L 0.011 mg/L <0.00020 mg/L < 0.040 mg/L	0.017 0.038 0.044 0.047 0.20 0.26 0.0012 0.48	0.050 0.040 0.050 0.050 0.200 0.250 0.500	34   *   75   88   94   90   1   100   1   120   1   100   1   100   1   100   1   100   1   1				
Pb Sb		0.010 mg/L < 0.10 mg/L	0.028 0.46	0.020 0.500	90   92   +				
Se Tl Zn		< 0.0050 mg/L < 0.010 mg/L 0.046 mg/L	0.010 0.040 0.49	0.010 0.050 0.500	100 ! 80 ! 89 !				

<sup>\*</sup> Possible madrix interference indicated.

#### QC SUMMARY FOR INORGANICS REPORT: DUPLICATES

NET-CAMBRIDGE DIVISION
Date of report: 12/27/94

1 < 0.010 < 0.010 mg/L

0.060

0.061

mg/L

Tl

Zπ

Work ID:

SDG/ Batch: 9404158

Page: 1

\_\_\_\_\_\_\_

Duplicate: 4158-114201(Aqueous) 4RPD Sample Duplicate % solids: Element < 0.010 mg/L Ag ! < 0.010 < 0.010 \_\_\_\_ [ mg/L As : < 0.010 Be { < 0.0050 < 0.0050 mg/L Cd / < 0.0050 < 0.0050 mg/L 61 mg/L 0.018 Cr 0.017 41 0.024 0.023 mg/L Cu | <0.00020 <0.00020 mg/L Hq < 0.040 mg/L 1 < 0.040 Ni 71 0.014 mg/L Pb 1 0.013 ----! 1 < 0.10 < 0.10 mg/L Sb ----! | < 0.0050 < 0.0050 mg/L Se

### QC SUMMARY FOR INORGANICS REPORT: DIGESTION BLANKS

NET-CAMBRIDGE DIVISION
Date of report: 12/27/94

Work ID: SDG/ Batch: 9404158 Page: 5

	====	==========	
Blank:		5446CW Found, mg/L	
Element			
	:	< 0.010	
	1	< 0.010 < 0.0050	
Cd	ī	< 0.0050	!
	Ī	< 0.010	
	÷-		+
Cu	i	< 0.010	}
	į	< 0,00020	
Ni	1	< 0.040	
Рb	}	< 0.010	i
Sb	1	< 0.10	
	÷		+ '
Se	ţ	< 0.0050	
T1	ì	< 0.010	
Zn	Ĭ	. < 0.020	

An blank values one within acceptable limits

### QC SUMMARY FOR INORGANICS REPORT: LAB CONTROL STANDARDS

NET-CAMBRIDGE DIVISION
Date of report: 12/27/94

Work ID:

SDS/ Batch: 9404158

9	a	9	=	<b>3</b>	4

andar	1:	True	LCSHCL : Found	5446CW () Units		)		LCSHG 54	46CW (L: Units	
ement Ag As Be Cd Cr		1.0 1.0 0.20 1.00	0.89 0.94 0.17 0.91	mg/L mg/L mg/L mg/L mg/L	89 94 85 91	mile trad biret man brist				
NI Ha Cu	+	1.00	1.02 0.95	mg/L mg/L	102 <b>7</b> 5	a deriva de de ganta	0.0040	0.0041	mg/L	102
Pb Sb		1.0	0.95 1.0	mg/L mg/L	95 100	! !				
Se Tl Zn	per col depart process	1.0 1.0	0.97 0.90	mg/L mg/L	97 90					

Standard:	True	LCSHN03 Found	5446CW Units		i 
Element Ag   As   Be   Cd   Cr	0.020	0.020	 mg/L	100	! !
Cu   Hg   Ni   Pb   Sb	0.020	0.020	mg/L	100	1 1 1 1 1
Se ! Tl ! Zn !	0.010 0.050			100 72	 

#### **NET Cambridge Division**

#### QUALITY CONTROL DATA

Client: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Report Date: 12/30/1994

Surrogate Standard Percent Recovery

Abbreviated Surrogate Standard Names:

SS1 SS2 SS3 SS4 SS5 SS6 SS7 SS8 SS9 SS10 SS11 SS12

Irifluo Bromoft 2-Fluor Phenol- 2,4,6-I 2-Fluor Nitrobe p-Terph

Sample ID	NET ID Matrix	SS1	SS2	ss3	Perce SS4	nt Reco	very SS6	SS7	SS8	SS9	SS10	SS11	ss12 ·
MW-03-7.5 MW-04-7.5 MW-01-12 MW-02-7.5	114198 GROUND WATER 114199 GROUND WATER 114200 GROUND WATER 114201 GROUND WATER	82 86 86 67	88 94 90 92	73 88 67 72	71 88 69 69	95 113 73 92	91 96 89 91	94 101 89 92	74 110 102 103				

Notes:

NR - This surrogate standard is Not Required. Other versions of this test method may use this surrogate standard.
Dil - This surrogate standard was diluted to below detectable levels due to concentrations of analytes in this sample.

Complete Surrogate Standard Names Listed by Analysis:

Pesticide Surrogate Standards:

Decachl = Decachlorobiphenyl Dibutyl = Dibutylchlorendate

Tetrach = Tetrachloro-m-xylene

Volatile Surrogate Standards:

Bromofl = Bromofluorobenzene 1,2-Dichl = 1,2-Dichloroethane-d4 Toluene = Toluene-d8

Drinking Water Method 524 1,2-Dichl = 1,2-Dichlorobenzene-d4

Semivolatlile Surrogate Standards:

2-Fluor (1st) = 2-Fluorobiphenyl Phenol- = Phenol-d6

2-Fluor (2nd) = 2-Fluorophenol Nitrobe = Nitrobenzene-d5

2,4,6-T = 2,4,6-Tribromophenol

p-Terph = p-Terphenyl

Herbicides Surrogate Standard:

2,4-Dic = 2,4-Dichlorophenyl acetic acid

Petroleum Hydrocarbon Fingerprint Surrogate Standard:

2-Fluor = 2-Fluorobiphenyl

para-Te = para-Terphynyl

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Report Date: 12/30/1994

Method Blank Analysis Data

	method Brai	ik Allatysis be				
			Prep	Run	Run	Analyst
Test Name	Result	Units	Batch	Batch	Date	Initials
Volatiles, combined 8010/20 AQ						
Bromofluorobenzene	90	% recov.		333	12/26/1994	dry
Benzene	<1.0	ug/L		333	12/26/1994	dry
Bromodichloromethane	<1.0	ug/L		333	12/26/1994	dry
3romoform	<1.0	ug/L		333	12/26/1994	dry
Bromomethane	<1.0	ug/L		333	12/26/1994	dry
Carbon Tetrachloride	<1.0	ug/L		333	12/26/1994	dry
Chlorobenzene	<1.0	ug/L		<b>333</b>	12/26/1994	dry
Chloroethane	<1.0	ug/L		333	12/26/1994	dry
2-Chloroethylvinyl ether	<1.0	ug/L		333	12/26/1994	dry
Chloroform	<1.0	ug/L		333	12/26/1994	dry
Chloromethane	<1.0	ug/L		33 <b>3</b>	12/26/1994	qry
Dibromochloromethane	<1.0	ug/L .		333	12/26/1994	dry
1.2-Dichlorobenzene	<1.0	ug/L		333	12/26/1994	dry
1,3-Dichlorobenzene	<1.0	ug/L		33 <b>3</b>	12/26/1994	dry
1,4-Dichlorobenzene	<1.0	ug/L		333	12/26/1994	dry
Dichlorodifluoromethane	<1.0	ug/L		333	12/26/1994	dry
1.1-Dichloroethane	<1.0	ug/L		333	12/26/1994	dry
1,2-Dichloroethane	<1.0	ug/L		333	12/26/1994	dry
1,1-Dichloroethene	<1.0	ug/L		333	12/26/1994	dry
trans-1,2-Dichloroethene	<1.0	ug/L		333	12/26/1994	dry
1,2-Dichloropropane	<1.0	ug/L		333	12/26/1994	dry
cis-1.3-Dichloropropene	<1.0	ug/L		333	12/26/1994	dry
trans-1,3-Dichloropropene	<1.0	ug/L		333	12/26/1994	dry
Ethylbenzene	<1.0	ug/L		333	12/26/1994	dry
Methylene Chloride	<1.0	ug/L		3 <b>33</b>	12/26/1994	dry
1,1,2,2-Tetrachloroethane	<1.0	ug/L		333	12/26/1994	dry
Tetrachloroethene	<1.0	ug/L		<b>333</b>	12/26/1994	dry
Toluene	<1.0	ug/L		333	12/26/1994	dry
1,1,1-Trichloroethane	<1.0	ug/L		333	12/26/1994	dry
1,1,2-Trichloroethane	<1.0	ug/L		333	12/26/1994	dry
Trichloroethene	<1.0	ug/L		333	12/26/1994	dry
Trichlorofluoromethane	<1.0	ug/L		333	12/26/1994	dry
Vinyt Chloride	<1.0	ug/L	•	333	12/26/1994	dry
•	<1.0	ug/L		333.	12/26/1994	dry
m-Xylene o-Xylene	<1.0	ug/L		333	12/26/1994	dry

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Report Date: 12/30/1994

Method Blank Analysis Data

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		0	D	D	Analyst	
Test Name	Result	Units	Prep Batch	Run Batch	Run Date	Initials	
1651 Name							
TCL Acid/Base/Neutrals 8270 AQ			7/0	077	42.427.44007		
2-Fluorophenol	81	% recov.	349	877	12/24/1994	jcg	
Phenol-d5	83	% recov.	349	877	12/24/1994	jcg	
2,4,6-Tribromophenol	97	% recov.	349	877	12/24/1994	jeg	
2-Fluorobiphenyl	87	% recov.	349	877	12/24/1994	jeg	
Nitrobenzene-d5	95	% recov.	349	877	12/24/1994	jcg	
p-Terphenyl-d14	102	% recov.	349	877	12/24/1994	jcg	
Acenaphthene	<2	ug/L	349	877	12/24/1994	jcg	
Acenaphthylene	<2	ug/L	349	877	12/24/1994	jcg	
Anthracene	<2	ug/L	349	877	12/24/1994	jcg	
Benzidine	<2	ug/L	349	877	12/24/1994	jcg	
Benzo(a)Anthracene	<2	ug/L	349	877	12/24/1994	jcg	
Benzo(a)Pyrene	<2	ug/L	349	877	12/24/1994	jcg	
Benzo(b)Fluoranthene	<2	ug/L	349	877	12/24/1994	jcg	
Benzo(g,h,i)Perylene	<2	ug/L	349	877	12/24/1994	jcg	
Benzo(k)Fluoranthene	<2	ug/L	349	877	12/24/1994	jcg	
Benzoic Acid	<2	ug/L	349	877	12/24/1994	jcg	
Benzyl Alcohol	<2	ug/L	349	877	12/24/1994	jcg	
4-Bromophenyl-phenylether	<2	ug/L	349	877	12/24/1994	jcg	
Butylbenzylphthalate	<2	ug/L	349	877	12/24/1994	jcg	
4-Chloro-3-Methylphenol	<2	ug/L	349	877	12/24/1994	jcg	
4-Chioroaniline	<2	ug/L	349	877	12/24/1994	jcg	
bis(2-Chloroethoxy)Methane	<2	ug/L	349	877	12/24/1994	jcg	
bis(2-Chloroethyl)Ether	<2	ug/L	349	877	12/24/1994	ĵcg	
bis(2-Chloroisopropyl)Ether	<2	ug/L	349	877	12/24/1994	jcg	
2-Chloronaphthalene	<2	ug/L	349	877	12/24/1994	jeg	
2-Chlorophenol	<2	ug/L	349	877	12/24/1994	jcg	
4-Chlorophenyl-phenylether	<2	ug/L	349	877	12/24/1994	jeg	
Chrysene	<2	ug/L	349	877	12/24/1994	jcg	
Di-n-Butylphthalate	<2	ug/L	349	877	12/24/1994	jcg	
Di-n-Octyl Phthalate	<2	ug/L	349	877	12/24/1994	jcg	
Dibenz(a,h)Anthracene	<2	ug/L	349	877	12/24/1994	jcg	
Dibenzofuran	<2	ug/L	349	877	12/24/1994	jcg	
1,2-Dichlorobenzene	<2	ug/L	349	877	12/24/1994	jcg	
1.3-Dichlorobenzene	<2	ug/L	349	877	12/24/1994	jcg	
1,4-Dichlorobenzene	<2	ug/L	349	877	12/24/1994	jcg	
3.3'-Dichlorobenzidine	<2	ug/L	349	877	12/24/1994	jcg	
2.4-Dichlorophenol	<2	ug/L	349 ·	877	12/24/1994	jcg	
Diethylphthalate	<2	ug/L	349	877	12/24/1994	jeg	
Dimethyl Phthalate	<2	ug/L	349	877	12/24/1994	jcg	
2.4-Dimethylphenol	<2	ug/L	349	877	12/24/1994	jcg	
4.6-Dinitro-2-Methylphenol	<2	ug/L	349	877	12/24/1994	jcg	
2.4-Dinitrophenol	<2	ug/L	349	877	12/24/1994	jcg	
2,4-Dinitrotoluene	<2	ug/L	349	877	12/24/1994	јсд	
2,6-Dinitrotoluene	<2	ug/L	349	877	12/24/1994	jcg	
bis(2-Ethylhexyl)Phthalate	<2	ug/L	349	877	12/24/1994	jcg	
Fluoranthene	<2	ug/L	349	877	12/24/1994	jeg	
Fluorene	<2	ug/L	349	877	12/24/1994	jcg	
Hexachiorobenzene	<2	ug/L	349	877	12/24/1994	jcg	
Hexachtorobutadiene	<2	ug/L	349	877	12/24/1994	ĵ¢ <u>a</u>	
Hexachlorocyclopentadiene	<2	ug/L	349	877	12/24/1994	jeg	
nexaction of peropetition and		- 3			,,,	J - J	

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Report Date: 12/30/1994

Method Blank Analysis Data

	nechod bear	,	Prep	Run	Run	Analyst	
Test Name	Result	Units	Batch	Batch	Date	Initials	
Hexachloroethane	<2	ug/L	349	877	12/24/1994	jcg	
Indeno(1,2,3-cd)Pyrene	<2	ug/L	349	877	12/24/1994	jcg	
Isophorone	<2	ug/L	349	877	12/24/1994	jcg	
2-Methylnaphthalene	<2	ug/L	349	877	12/24/1994	jcg	
2-Methylphenol	<2	ug/L	349	877	12/24/1994	jcg	
4-Methylphenol	<2	ug/L	349	877	12/24/1994	jcg	
N-Nitroso-di-n-Propylamine	<2	ug/L	349	877	12/24/1994	jcg	
N-Nitrosodimethylamine	<2	ug/L	349	877	12/24/1994	jcg	
N-Nitrosodiphenylamine	<2	ug/L	349	877	12/24/1994	jcg	
Naphthalene	<2	ug/L	349	877	12/24/1994	jcg	
2-Nitroaniline	<2	ug/L	349	877	12/24/1994	jcg	
3-Nitroaniline	<2	ug/L	349	877	12/24/1994	jcg	
4-Nitroaniline	<2	ug/L	349	877	12/24/1994	jcg	
Nitrobenzene	<2	ug/L	349	877	12/24/1994	jcg	
2-Nitrophenol	<2	ug/L	349	877	12/24/1994	jcg	
4-Nitrophenol	<2	ug/L	349	877	12/24/1994	jcg	
Pentachlorophenol	<2	ug/L	349	877	12/24/1994	jcg	
Phenanthrene	<2	ug/L	349	877	12/24/1994	jcg	
Phenol	<2	ug/L	349	877	12/24/1994	jcg	
Pyrene	<2	ug/L	349	877	12/24/1994	jcg	
1,2,4-Trichlorobenzene	<2	ug/L	349	877	12/24/1994	jcg	
2,4,5-Trichlorophenol	<2	ug/L	349	877	12/24/1994	jcg	
2.4.6-Trichlorophenol	<2	ug/L	349	877	12/24/1994	jeg	

Report To: Aneptek

NET Job No: 94.04158

Project: No. Smithfield RI ANG Station

Report Date: 12/30/1994

#### Matrix Spike/Matrix Spike Duplicate Results

Compound	Spike Amount	Sample Result	Units	MS Result	MS % Recovery	MSD Result	MSD % Recovery	RPD
Compound								
TCL Acid/Base/Neutrals 8270 AC	)							
Acenaphthene	80	<2	ug/L	65.0	81.3	78.6	98.2	18.8
4-Chloro-3-Methylphenol	80	<2	ug/L	84.4	105.5	83.0	103.8	1.6
2-Chlorophenol	80	<2	ug/L	60.6	75.8	68.8	86.0	12.6
1.4-Dichlorobenzene	80	<2	ug/L	54.2	67.8	63.8	79.8	16.3
2.4-Dinitrotoluene	80	<2	ug/L	74.4	93.0	85.0	106.3	13.2
N-Nitroso-di-n-Propylamine	80	<2	ug/L	67.8	84.8	31.0	101.3	17.6
4-Nitrophenol	80	<2	ug/L	75.2	94.0	82.8	103.5	9.5
Pentachlorophenol	80	- <2	ug/L	108.2	135.3	109.4	136.8	1.1
Phenol	80	14	ug/L	88.6	93.2	96.8	103.5	10.4
	80	<2	ug/L	58.6	73.3	61.6	123.2	50.7
Pyrene 1,2,4-Trichlorobenzene	80	<2	ug/L	52.2	65.3	8.06	76.0	15.1

NOTE: Data reported for spiked samples were analyzed in the same batch, but may not necessarily be that of your sample.

VOLATILE GC ANALYSIS MS/MSD RECOVERY

METHOD:

NET LIMS NO.

Client Sample ID:

114667

Project Name:

File:

114667

BatchNo:

Date Extracted:

Date Analyzed:

12128/94

60: 1602

Matrix:	WATER

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	ે	LIMITS
COMPOUND	( ug/L)	( ug/L)	( ug/L)	REC #	REC.
	======	=========	==========	=====	=====
1,1-DICHLOROETHENE	5.0	-	5.8	116	28-167
TRICHLOROETHENE	5.0	<del></del>	3.8	76	35-146
BENZENE	5.0		4.5	116 76 90	39-150
TOLUENE	5.0	_	4.5	90	46-148
CHLOROBENZENE	5.0		4.5	90	55-135

COMPOUND	SPIKE ADDED ( ug/L)	MSD CONCENTRATION ( ug/L)	MSD % REC #	% RPD #	QC L: RPD	MITS REC.
1,1-DICHLOROETHENE TRICHLOROETHENE BENZENE TOLUENE CHLOROBENZENE	5.0 5.0 5.0 5.0 5.0	5.0 3.3 4.0 4.1 4.0	100 66 80 82 80	15 14 12 9 12	21 21 21 21 21 21	28-167 35-146 39-150 46-148 55-135

<sup>\*</sup> Values outside of QC limits

RPD:  $\underline{\mathcal{O}}$  out of 5 outside limits Spike Recovery:  $\underline{\mathcal{O}}$  out of 10 outside limits

NET, INC. Cambridge Laboratory

FORM III

SWREP 3. Spike Recovery and RPD Summary Report - WATER

Method : G:\METHODS\GRO1024D.M
Title : Gasoline Range Organics Last Update : Thu Dec 22 13:16:44 1994

Response via : Initial Calibration

Non-Spiked Sample: G004.D

Spike Sample Spike

Duplicate Sample

File ID : G002.D
Sample : LCS GAS 500NG/ML
Acq Time: 21 Dec 94 03:09 PM

G003.D
LCS GASdup 500NG/ML
21 Dec 94 05:13 PM G003.D LCS GASdup 500NG/ML

Compound Sample Spike Spike Dup Spike Dup RPD QC Limits
Conc Added Res Res %Rec %Rec RPD % Rec

GRO | 8.7 | 500 | 438 | 395 | 86 | 77 | 11 | 25 | 44-110 |

GRO1024D.M Thu Dec 22 14:21:48 1994 RPT1

#### **Gasoline Range Organics Report**

Data G:\DATA\941221\G002.D

Operator

**FMORRISON** 

Date 21 Dec 94 03:09 PM

LCS GAS 500NG/ML

Sample Name: Date Acquired

12/21/94

OL Factor:

1

QL Factor Volume Purged (ml)

Sample Vol. (ml)

R.T.	Exp R.T.	Compound	Amount	
			(ng/ml)	Area
17.08	17.08	GRO	438.45	48544873
10.37	10.31	2 METHYL PENTANE	22.81	1267631
15.30	15.25	HEPTANE	18.42	5542325
15.78	15.73	2,2,4-TRIMETHYLPENTANE	25.54	856833
15.98	15.93	BENZENE	9.63	1245640
17.18	17.14	aaa-TRIFLUOROTOLUENE	48.04	3596399
19.27	19.23	TOLUENE	45.86	5705920
21.59	21.54	ETHYLBENZENE	8.96	1072581
21.70	21.65	M-XYLENE	31.99	3980345
22.34	22.30	O-XYLENE	13.60	1663950
24.16	24.12	1,2,4-TRIMETHYLBENZENE	21.10	2285100

Total Gasoline Range Organics	438.45 ng/ml
UT-4-I Casalina Danna Ornaniaa	7247h naimi
uintai hasnuup Banup uruaunis	***************************************
arotar agomic hando ordamo	

Reporting Limit:

50 ug/L

Surrogate Summary:

Amount:

 $48.04 \, \text{ng/ml}$ 

Recovery:

96.08 %

Analyzed By: Reviewed By: 5/6:

#### **Gasoline Range Organics Report**

Data G:\DATA\941221\6003.D

Operator

**FMORRISON** 

Date 21 Dec 94 05:13 PM

Sample Name:

LCS GASdup 500NG/ML

Date Acquired

12/21/94

OL Factor:

1

QL Factor Volume Purged (ml)

Sample Vol. (ml)

R.T.	Exp R.T.	Compound	Amount	
			(ng/ml)	Area
17.08	17.08	GRO ·	395.41	43779035
10.38	10.31	2 METHYL PENTANE	23.70	1317062
15.30	15.25	HEPTANE	18.02	5422150
15.78	15.73	2,2,4-TRIMETHYLPENTANE	25.14	843232
15.98	15.93	BENZENE	9.61	1242699
17.19	17.14	aaa-TRIFLUOROTOLUENE	50.50	3781065
19.27	19.23	TOLUENE	46.12	5738827
21.59	21.54	ETHYLBENZENE	8.91	1067655
21.70	21.65	M-XYLENE	31.92	3970529
22.34	22.30	O-XYLENE	13.39	1638420
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**Reporting Limit:** 

50 ug/L

Surrogate Summary:

Amount:

50.50 ng/ml

Recovery:

101.01 %

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# CHAIN OF CUSTODY RECORD

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ADDRESS 209 W.C.EMTRAL ST
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## APPENDIX F

FIELD CHANGE REQUEST FORMS

#### ANEPTEK CORPORATION

#### FIELD CHANGE REQUEST FORM

Site Name: North Smithfield ANG Station

Location: Slatersville, RI

Contract No.: DAHA90-93-D-0003

Delivery Order No.: 0003

The following change(s) to the field program are requested:

- 1) Install 5-foot monitoring well screens instead of 10-foot monitoring well screens.
- 2) Do not install a monitoring well at AOC C.

#### Reasons:

- 1) Due to shallow depth to bedrock in most areas of the Station, installation of 10-foot well screens was not possible. After receiving verbal approval from ANGRC, over the telephone, 5-foot well screens were installed.
- During the advancement of soil boring SB-03 to bedrock, at the proposed location of the monitoring well to be installed at AOC C, it was noted that there was no groundwater in the borehole. The hollow stem augers were then pulled up approximately 0.5 feet, capped, and allowed to remain in the borehole overnight. After more than 23 hours, the borehole was again checked for the presence of groundwater and none was found. After receiving verbal approval from ANGRC, over the telephone, the augers were removed and the borehole was grouted to the ground surface.

Prepared By: Michael Klaml Date: 2/2/95
Reviewed By: Date: 2/2/45
QA Approved By: L. A. Part Date: 4/2/93
ANGRC Approved By: Date:

#### ANEPTEK CORPORATION

#### FIELD CHANGE REQUEST FORM

Site Name: North Smithfield ANG Station	
-----------------------------------------	--

Location: Slatersville, RI

Contract No.: DAHA90-93-D-0003

Delivery Order No.: 0003

The following change(s) to the field program are requested:

- 1) Alter the monitoring well construction specifications for wells MW-02, MW-03, and MW-04. The thickness of each layer of material between the well screen and the ground surface was reduced. Revised well construction specifications include:
  - 0 to 1.0 foot below grade flush-mount road box (MW-02) or protective metal casing (MW-03 and MW-04);
  - 1.0 to 2.0 feet below grade bentonite seal surrounding PVC riser pipe;
  - 2.0 to 2.5 feet below grade fine sand layer surrounding PVC riser pipe;
  - 2.5 to 7.5 feet below grade coarse sand pack surrounding well screen; and
  - 7.5 to 8.5 feet below grade coarse sand layer.

#### Reasons:

1) At each of these locations, groundwater was encountered at approximately 2.5 to 3.5 feet below ground surface. Alterations were required to allow construction of a well in which the screened interval intersected the groundwater table.

Prepared By: Michael Thin Date: 4/2/95
Reviewed By: Mit 1 Date: 2/2/95
QA Approved By: Tulund Planing to Date: 2/4/95
ANGRC Approved By: Date:

#### ANEPTEK CORPORATION

#### FIELD CHANGE REQUEST FORM

Location: Slatersville, RI

Contract No.: DAHA90-93-D-0003

Delivery Order No.: 0003

The following change(s) to the field program are requested:

- 1) Soil boring SB-09 relocated approximately 70 feet north of its originally proposed location.
- 2) Soil boring SB-11 relocated approximately 30 feet south of its originally proposed location.
- 3) Soil boring SB-12 relocated approximately 30 feet southwest of its originally proposed location.

#### Reasons:

1) All three soil boring locations were relocated due to the potential presence of underground utilities in the vicinity of their originally proposed locations.

Prepared By: Michael Olim Date: 42/95
Reviewed By: Mitting Date: 2/2/95
QA Approved By: Renew Date: 4/3/95
ANGRC Approved By: Date:

## APPENDIX G

DATA REQUIREMENTS FOR
FEDERAL FACILITY DOCKET SITES

## PRELIMINARY ASSESSMENT/SITE INSPECTION DATA REQUIREMENTS FOR FEDERAL FACILITY DOCKET SITES

1. Supply copies of all sampling data, on-site and off-site, including location map, detection limits (see definitions below), raw data sheets, QA/QC documents, date(s) sampled, analytical method(s) used, well or boring logs, and sampling technique(s).

All sampling data generated from the on-site GC and the off-site laboratory are presented in Appendices E and B, respectively. Sample locations are provided on the figures in the body of the SI report. Boring and well logs are presented in Appendix C.

2. Locate and identify on a map all known or suspected sources (see definition below). Supply all information about source(s) such as: dates of operation, use, or spillage; amounts of material deposited, stored, or spilled; dimensions of source(s); known or suspected hazardous substances (see definition below), etc.

Figure G-1 depicts the locations of the three identified AOCs. All other requested information is presented below.

#### AOC-A Area North of Building P-13

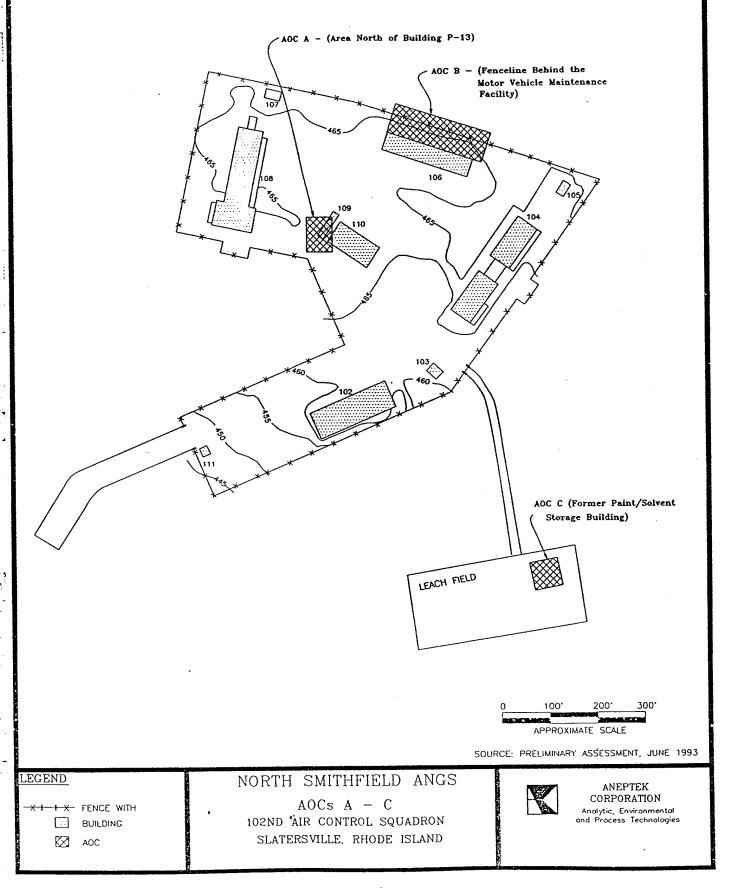
AOC-A is located in the north-central area of the Station, north of former Building P-13. This area is the approximate former location of Building P-4. Building P-4 housed four generators that were used to supplement electrical power to radar units operating at the Station. There is no available information on the construction of Building P-4, except that the generators were located on a concrete slab floor. Building P-4 was torn down during the Station's construction and consolidation phase. The area is currently clear and unpaved.

#### **AOC-A Background and Operational History**

From 1978 through 1992, generators located behind Building P-13, the AGE Maintenance Building, were used to supplement electrical power for radar units operating at the Station. The generators were known to leak small amounts of diesel fuel while running and jerry cans were used to collect the spillage. Occasionally these cans overflowed due to lack of maintenance or rapid accumulation of rain water. An estimate of one gallon per year is believed to have been spilled in this area for a total of 14 gallons over the 14-year operating period.

During the Station's construction and consolidation phase, two areas of soil contamination were found in the vicinity of this AOC, during the construction of Building 108, the Communications/Electronics Training Facility. It was determined that this contamination was related to a set of generators and a fuel distribution line not associated with the generators addressed in this SI (AEPCO, 1993). RIDEM requested clean-up





of all contaminated soil above 100 parts per million (ppm) of total petroleum hydrocarbons (TPH). Trow Protze Consulting Engineers completed a site assessment in July of 1992. The Station removed contaminated soil originating from the footings of the foundation of Building 108 in June 1994.

#### AOC-B Fenceline behind the Motor Vehicle Maintenance Facility

The current Motor Vehicle Maintenance Facility, Building 106, was also the Motor Vehicle Maintenance Facility prior to the new construction, and was designated Building P-11 (AEPCO, 1993). The Motor Vehicle Maintenance Facility is located on the northeastern side of the Station and is a one-story building with a number of bays to service vehicles. The fenceline is located approximately 30 feet east of and parallel to the Motor Vehicle Maintenance Facility.

#### AOC-B Background and Operational History

From 1972 to 1978, paint thinners were used at Building 106 in cleaning paint equipment. Sources indicate that toluene was used as the primary thinner. Based on interviews with Army and Air National Guardsmen, historical discharge of solvents and/or paints was conducted along the fenceline located behind the Motor Vehicle Maintenance Facility. Based on available information, an estimated one gallon per year was discharged to the ground surface over a 5-year period. A maximum total volume of 25 gallons may have been dumped at this site.

#### AOC-C Former Paint/Solvent Storage Building

The Former Paint/Solvent Storage Building was previously located at the site of the currently used leach field, in the southern area of the station. Although there are no visible remains of the building, the building was reportedly situated in the eastern portion of the leach field, based on available information. Access to this area is down a small paved road. This area is approximately 20-30 feet below the Station proper in elevation.

#### AOC-C Background and Operational History

The Former Paint/Solvent Storage Building was used to store paints and solvents. Sources have indicated that from 1972 to 1974 small amounts of paint thinners were dumped next to the building. Based on available information, an estimated one gallon per year may have been spilled over a 5-year period, and a maximum total volume of 25 gallons may have been spilled.

3. Provide a description of all aquifers beneath the site, including description of overlying materials, depth first encountered, thickness, and composition.

The Station is underlain by an unsorted till overburden and bedrock aquifers. The

bedrock aquifer is regionally extensive, though transmissivity of the bedrock is low. The depth to groundwater in the bedrock aquifer is highly variable due to the unpredictability of the fractures and joints where groundwater occurs. Two bedrock wells (wells Nos. 1 and 2), approximately 700 feet deep, were drilled at the site. However, these wells are not used for drinking water because trichloroethane and trichloroethene were detected in water samples taken in 1984 (AEPCO, 1993). Domestic supplies can be obtained from the bedrock aquifer at yields of 1 to 100 gallons per minute. The unsorted till aquifer is not generally utilized due to the small and unreliable yields (generally 2 gallons per minute). Depth to water varied throughout the site from 3.5 feet to 14.5 feet (Aneptek, 1994b). The material overlying the site is classified as Paxton-Urban land complex (AEPCO, 1993). The complex consists of well drained Paxton soils and areas of urban land. Urban land consists of areas covered by parking lots, buildings, and other structures. The top five inches of the Paxton soils is dark grayish brown fine sandy loam. The subsoil, from 5 to 23 inches, is light brownish gray, yellowish brown and grayish brown fine sandy loam.

4. For each source, choose one description from Table 1 that describes the groundwater containment. Provide complete documentation (i.e. engineering diagrams, photographs (originals) as to why the source meets that description and not any other in the Table.

Source	Groundwater Containment	Description	(from	<u>Table</u>	<u>1)</u>
			•		
AOC A	No liner.				

AOC B No liner.

AOC C No liner.

There are no containment structures present to control groundwater flow at any of the AOC's. There are no engineering diagrams available. Photographs of each AOC are available in the project file.

5. Provide the location of all drinking water wells in all aquifers beneath the site in a 4 mile radius from the site (property boundary) by HRS distance ring and locate the wells within a one mile radius on a 7.5 minute topographical map. Provide information on depth of well(s), screening interval(s), depth of aquifer(s) encountered, and population served. For multiple wells (i.e. municipal system) provide the number of wells, location of all wells (regardless of 4 mile limit), average annual pumpage of each well (regardless of 4 mile limit), and total population served by system. Include information on all standby wells.

Location of all drinking water wells within a 4 mile radius from the site are shown in Figure G-2 (AEPCO, 1993). Telephone interviews (Aneptek, 1995 c-g) were conducted to confirm the validity of the results obtained from the Preliminary Assessment (AEPCO, 1993). Information on individual well construction and characteristics are presented in Table G-1 (AEPCO, 1993).

6. Provide information and location (on 7.5 minute topographical map) of wells within 4 miles that are used to irrigate 5 or more acres of commercial food or forage crops, or watering of commercial livestock, or ingredient in commercial food preparation, or supply for aquaculture, or supply for a major or designated water recreation area, excluding drinking water use.

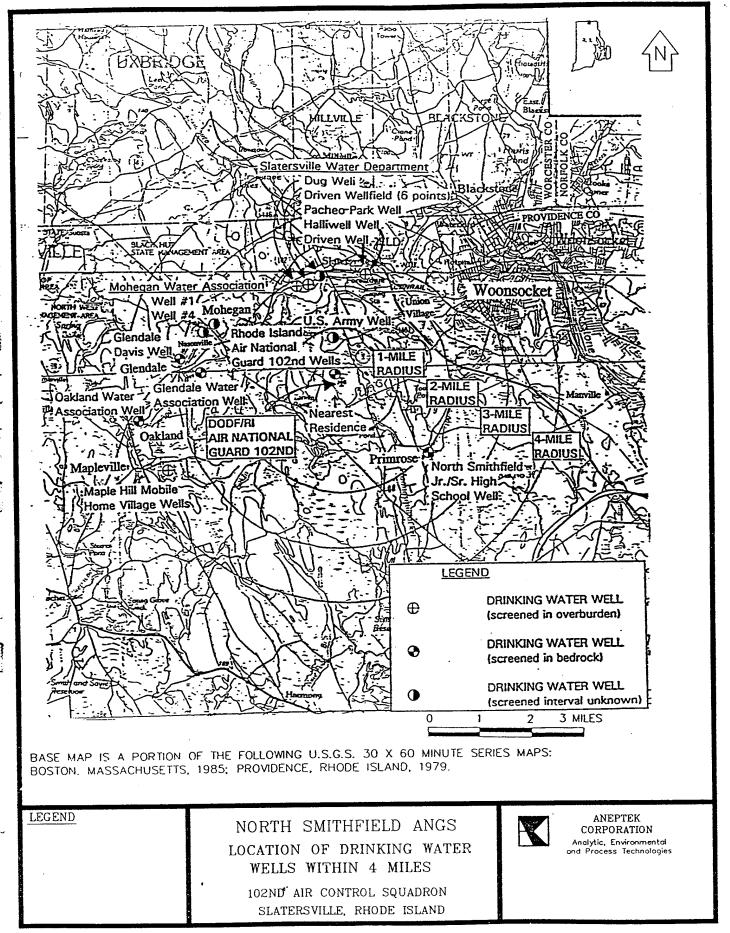
Based on discussions with local town officials there were no wells found within a 4 mile radius of the Site that are used strictly for irrigation of 5 or more acres of commercial food or forage crops, watering of commercial livestock, as an ingredient in commercial food preparation, as a supply for aquaculture or as a supply for a major or designated water recreation area. Water which is used for the above mentioned purposes is obtained from public or private wells. (Aneptek, 1995 c-g).

7. What is the average number of persons per residence for county (or counties) that site is located in per the US Census Bureau?

The average number of persons per residence for Providence County is 2.53. Information was obtained through telephone interviews (Aneptek, 1995h) and based on 1990 US Census data.

8. Identify and locate all surface water bodies within 2 miles of site marking off the drainage routes (shown on 7.5 minute topographical map) from each source to applicable surface water bodies. Provide the average annual cubic feet per second flow for each surface water body within 15 miles downriver or radius from the point of probable entry into surface water. For lakes, provide information on inflow and outflow.

A list of surface water bodies within 2 miles of the Site as identified on a United States Geological Survey (USGS) 7.5 minute topographic map for the Georgiaville Quadrangle, Providence County, RI follows:



#### TABLE G-1

#### DESCRIPTION OF DRINKING WELLS WITHIN FOUR MILES OF NORTH SMITHFIELD ANGS (Source: NUS, 1991)

Radial Distance	T			
			Approx.	
(Miles) from			No. of	
DODF, Army,	1	Town	Persons	Well Type/
N. Smithfield	337 - 11 NT	Located	Served	Depth (feet)
Nike Site	Well Name	N. Smithfield	0*	Drilled/approx 700
Onsite	RI ANG 102nd	N. Sminnen		Dimedappiox 700
0.00 - 0.25	None			
0.25 - 0.50	None	N 0 4 6 14	5	Unknown/Unknown
0.50 - 1.00	U.S. Army	N. Smithfield	,	Olikilowił Olikilowii
1.00 - 2.00	Slatersville Water Dept. Drivern Wellfield	N. Smithfield	1,173	6 Driven points/20
	Dug Well	N. Smithfield	٠	Hand dug/27
	Pacheo Park Well	N. Smithfield		Unknown/890
	N. Smithfield Jr/Sr. High School	N. Smithfield	871	Drilled/Unknown
2.00 - 3.00	Slatersville Water Dept.		**	
2.00	(continued)			
	Driven Well	N. Smithfield		Driven/300
	Halliwell Well	N. Smithfield		Unknown/41
	Mohegan Water Assoc.		80	
	Well #1	Burrillville	Unknown	Unknown/Unknown
	Well #4	Burrillville	Unknown	Unknown/Unknown
	Glendale Water Assoc.	Burrillville	94	Drilled/Unknown
	Glendale Davis	Burrillville	36	Drilled/Unknown
3.00 - 4.00	Oakland Water Assoc.	Burrillville	175	Drilled/Unknown
	Maplehill Mobile Home Village	Burrillville	521	Gravel Packed/ Unknown
		TOTAL:	2,955	

<sup>\*</sup> Well not in use due to contamination.

<sup>\*\*</sup> Service part of total counted in previous ring.

Rivers	and Streams	<u>Distance</u>
1.	Trout Brook	0.53 miles north
2.	Tarkiln Pond	0.97 miles south
3.	Tarkiln Brook	1.2 miles south west
4.	Nichols Pond	1.7 miles south west
5.	Rankiln Brook	1.2 miles south west
6.	Lake Bel Air	1.1 miles south west
7.	Woonasqutuck River	1.7 miles south east
8.	Todds Pond	1.8 miles south east
9.	Cedar Swamp	1.6 miles east
10.	Branch River	1.8 miles north east
11.	Branch River	1.9 miles north west
12.	Slatersville Reservoir	1.5 miles north west

Figure G-3, shows the drainage routes from the Rhode Island ANG Station into the applicable surface water bodies.

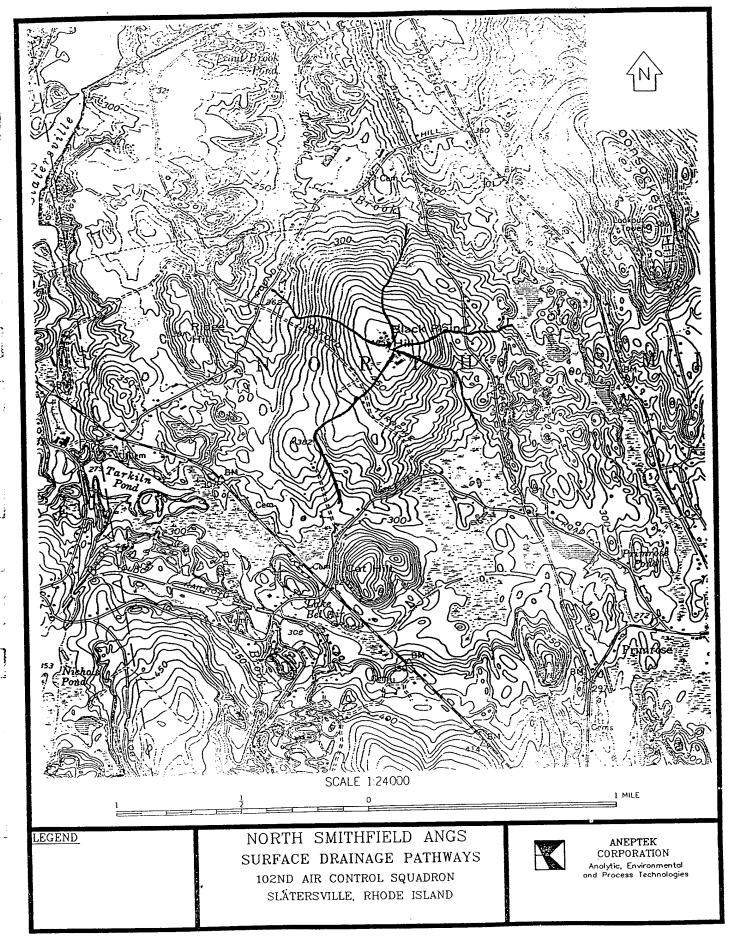
Average flow for each river/stream identified within the fifteen mile downstream pathway are as follows:

River/Stream	Annual Flow			
<ol> <li>Branch River</li> <li>Woonasquatucket River</li> <li>Blackstone River</li> </ol>	174 (ft <sup>3</sup> /sec.) 73 (ft <sup>3</sup> /sec.) 774 (ft <sup>3</sup> /sec.)			

(Reference: Aneptek, 1995g)

9. For each source, choose one description from Table 2 that describes the surface water containment. Provide complete documentation (i.e. engineering diagrams, photographs (originals) as to why the source meets that description and not any other in the Table.

Source	Surface Water Containment Description (from Table 2)
AOC A	No Evidence of hazardous substance migration from source area. (b-a2): functioning and maintained run-on control system and runoff management system.
AOC B	No evidence of hazardous substance migration from source area (a).



AOC C No Evidence of hazardous substance migration from source area (a).

#### 10. What is the number of acres in each drainage basin?

The acreage of each drainage basin of consequences as follows:

Drainage Basin	Area/Acreage
Blackstone River	416 sq. miles (266,240 acres)
Branch River	91 sq. miles (58,240 acres)
Woonasquatucket River	38 sq. miles (24,320 acres)

(Reference: Aneptek, 1995h).

11. From Table 3, choose the predominant soil group (surface soil) which comprises the largest total area within each drainage area.

The predominant surface soil group (from Table 3) which comprises the largest total area within the Branch River, Blackstone River, and Woonsaquatucket River drainage basins are moderately fine textured soils with low infiltration rates. (USGS, 1953).

12. What is the 2 year, 24 hour rainfall?

The 2 year, 24 hour rainfall is approximately 3.4 inches (U.S.DOC, 1961).

13. From Table 4, choose the floodplain category for each source (supply FEMA floodplain map) and determine if each source meets the criteria from Table 5 (engineer's certification).

The floodplain category for each of the identified sources has been identified on the Federal Emergency Management Agency [FEMA] Flood Insurance Rate Maps (FIRM), revised December 3, 1993, as Zone X, which is determined to be outside the limits of the 500-year floodplain. No documentation that containment at each source is designed, constructed, operated, and maintained to prevent a washout of hazardous substances by a flood outside the 500-year flood limits was provided to Aneptek or located during this study.

14. Provide the location of all drinking water intakes within 15 downstream miles (rivers) or 15 miles radius (lakes, bays, etc.). Provide information on population served. For multiple intakes (i.e. municipal system) provide information on the number of intakes, location of all intakes (regardless of 15 mile limit), average annual pumpage of each intake (regardless of 15 mile limit), and total population

served by system. Include information on all standby intakes.

There are no drinking water intakes within 15 miles downstream or within a 15 mile radius (lakes, bays, etc.) of the station (RIDEM, 1995a). The Cumberland Water District does have a pair of wells at the edge of the Blackstone River (Manville Wells #1 and #2). It is not known whether they are influenced by, or independent of, the nearby river surface water. (RIDEM, 1995a).

15. Provide information and location of intakes within 15 miles downriver (radius in lake or bay) that are used to irrigate 5 or more acres of commercial food or forage crops, or watering of commercial livestock, or ingredient in commercial food preparation, or supply for aquaculture, or supply for a major or designated water recreation area, excluding drinking water use.

There are no intakes within 15 miles downriver (radius in lake or bay) that are used for any of the above mentioned purposes. The Cumberland Water District does have a pair of wells at the edge of the Blackstone River (Manville Wells #1 and #2). It is not known whether they are under the influence of, or independent of, the nearby river surface water. (RIDEM, 1995a).

16. Is any surface water body 15 miles downriver (radius in lakes or bay) used for drinking water?

There is no surface body of water 15 miles downriver (radius in lakes or bay) that is used for drinking water. The Cumberland Water District does have a pair of wells at the edge of the Blackstone River (Manville Wells #1 and #2). It is not known whether they are under the influence of, or independent of, the nearby river surface water. (RIDEM, 1995a).

17. What is the average human food chain production (pounds per year) for each surface water body 15 miles downriver or 15 mile radius in lake?

According to telephone conversations with officials at the Rhode Island Division of Fish and Wildlife there are no records kept for the average human food chain production (pounds per year) for each surface water body 15 miles downriver or 15 mile radius in lake. (Aneptek, 1995i).

18. Within a 4 mile radius from the site <u>and</u> 15 miles downriver or radius in lake, identify all sensitive environments that exist. Provide original documentation (USF&W, Natural Heritage Database, State agencies, NOAA, etc.) and locate each by HRS distance ring. Note that there could be multiple sensitive environments within a sensitive environment.

A description of all sensitive environments that exist within a 4 mile radius from the site

are presented in Table G-2. According to a report submitted to Aneptek from the Department of Environmental Management of Rhode Island there are no letic or lotic species occurring within the designated 15 mile downstream areas.

19. What is the linear frontage of all wetlands 15 miles downriver or 15 mile radius in lake?

The total linear frontage of wetlands along the 15 mile downstream pathway which includes the Woonsaquatucket River Basin is 9.35 miles (NWI, 1975). Total linear frontage of wetlands along the 15 mile downstream pathway which includes the Branch River and Blackstone River Basins is 3.78 miles (NWI, 1975).

20. What is the location and number of persons residing, working, attending school or day care within 200 feet of each source?

Because of the close proximity of each AOC or source to one another, the numbers of persons residing, working, or attending school or day care within 200 feet of each source is nearly the same. Since a distance of 200 feet from each source is within the Station boundaries, or within the surrounding woods, the numbers of persons residing, working, or attending school or day care within 200 feet of each source are roughly the numbers of persons residing, working, or attending school or day care on the Station. There are no residential quarters on the Station and there is no school or day care facility on the Station. The number of full-time workers on the Station is approximately 150. This number expands to as much as 500 on those weekends during which drills are held.

21. Identify all terrestrial sensitive environments that exist on-site. Provide original documentation (USF&W, Natural Heritage Database, State agencies, NOAA, etc.) and locate each on a 7.5 minute topographical map. Note that there could be multiple sensitive environments within a sensitive environment.

There are no terrestrial sensitive environments existing on site. (RIDEM, 1995b)

22. For each source, choose one description from Table 8 that describes the accessibility to a human population. Provide complete documentation (i.e. engineering diagrams, photographs (originals) as to why the source meets that description and not any other in the Table.

There are three Areas of Concern (AOC) located at the site. The location of each is shown in Figure G-1. The site is located on the Rhode Island Air National Guard Station. Being a military installation the Station's perimeter is completely enclosed by a maintained fence with only two access gates. The immediate area outside of the fence is heavily wooded. AOC A lies entirely within this perimeter, AOC B lies partially outside the perimeter fence, and AOC C lies outside the station perimeter fence but is itself enclosed by a perimeter fence with only one access gate. Therefore for each of the

### TABLE G-2

## SENSITIVE ENVIRONMENTS WITHIN FOUR MILES OF NORTH SMITHFIELD ANG STATION

HRS Distance (miles)	Sensitive Environments	Description	Distance
0 - 0.25	_	_	
0.25 - 0.50	_	· <del>-</del>	_
0.50 - 1.0	Blunders	1 state threatened species 5 species of state interest 1 species of concern	0.6 miles
1.0 - 2.0	Woonsocket Hill  Slatersville  Reservoir	1 endangered species 1 species of interest	1.2 miles 1.4 miles
2.0 - 3.0	Screech Hole	1 state endangered species 1 species of concern	2.8 miles
3.0 - 4.0	_	<del>-</del>	_

sources, the description from Table 8 which describes the accessibility to a human population is: AOC A: Surrounded by a maintained fence or combination of maintained fence and natural barriers. AOC B: Accessible, with no public recreation use, and AOC C: Accessible, with no public recreation use.

#### 23. What is the total number of people in the following distance rings from source(s)?:

0-1/4 mile	30
1/4-1/2 mile	68
1/2-1 mile	298
1-2 mile	2087
2-3 mile	12,034
3-4 mile	<u>25,703</u>

**Total:** 40,220

#### Use 1990 Census data and/or actual house counts. Document how calculated.

The total number of people residing within the 4 mile radius was calculated by using information obtained in a telephone interview with the Rhode Island Department of Economic Development (Aneptek, 1995j), the 1990 census, and using house counts based on USGS topographical map (USGS, 1975).

24. For each source, choose one description from Table 9 that describes the gaseous containment. Provide complete documentation (i.e. engineering diagrams, photographs (originals) as to why the source meets that description and not any other in the Table. From Table 10, choose the appropriate description of each source type. For each source, choose one description from Table 11 that describes the particulate containment. Provide complete documentation (i.e. engineering diagrams, photographs (originals) as to why the source meets that description and not any other in the Table.

From Table 9, the best description of gaseous containment for each source is:

Source	<u>Description</u>
AOC A	Does not apply
AOC B	Does not apply

AOC C

Does not apply

From Table 10, the best description of each source type is as follows:

Source

Description

AOC A

Contaminated soil

AOC B

Contaminated soil

AOC C

Contaminated soil

From Table 11, the best description of particulate containment for each source is:

Source

Description

AOC A

Uncontaminated soil cover >1 foot and <3 feet:

Cover soil type resistant to gas migration.

AOC B

Uncontaminated soil cover > 1 foot and < 3 feet:

Cover soil type resistant to gas migration.

AOC C

Uncontaminated soil >3 feet:

There are no engineered particulate containment structures present for the AOC's listed above.

25. What is the location and area (in acres) of all wetlands within 4 miles of site?

The total acreage of all wetlands located within 4 miles of the site is 712. Approximately 533 acres lie within the Georgiaville/Chepachet RI Quadrangles, and the remaining 179 lie within the Blackstone, MA Quadrangle (NWI, 1975).

26. Contact EPA Regional Office immediately if any radionuclides are present or suspected at site and supply all radiological information known to date.

No radionuclides have been reported or suspected to be present at the Site.

27. For all of the above information, use primary data sources and supply 2 copies or specify where copies may be obtained.

Copies of primary data sources for all of the above information are included in the project file.

28. Have any removals or remedial actions taken place at site? If yes, then submit ALL information pertaining to action taken.

On June 17, work began on the excavation of contaminated soils in two areas on site, designated Area 1 and Area 2 (see attachment to this Appendix). Work continued on June 19 and 22 1992. See attachment for all information regarding this action.

29. If information relevant to a question already has been provided to EPA, your answer may precisely cite the previous submittal by title, date, page and paragraph number rather than resubmit the information. To assist in your efforts, also enclosed is a copy of EPA's draft Preliminary Assessment Guidance.

If information relevant to any of the above 28 questions has already been provided, it was noted in the answers given to those questions.

## APPENDIX H

INVESTIGATION-DERIVED WASTE MANAGEMENT

#### ANALYTICAL REPORT

Report To:

Mr. John Lee

Aneptek

209 West Central Street

Natick, MA 01760

Project:

No. Smithfield RI ANG Station

01/07/1995

NET Job Number: 94.04191

National Environmental Testing

NET Atlantic, Inc. Cambridge Division 12 Oak Park Bedford, MA 01730

Massachusetts Certification Number M MAO23

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-01

Parameter		Result	Units	Analysis Date	•	Run Batch	Analyst
Pesticides	TCLP						
Chlordane		<20	ug/L	01/04/1995	330	258	ner
Endrin		<2	ug/L				
Heptachlor and its epoxic	de	<4	ug/L				
gamma-BHC (Lindane)		<2	ug/L				
Methoxychlor		<20	ug/L				
Toxaphene		<20	ug/L				

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-01

Parameter		Result	Units	Analysis Date	•	Run Batch	Analyst
Herbicides 2,4-D 2,4,5-TP	TCLP	<20 <2.0	ug/L ug/L	01/03/1995	109	80	gah

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-01

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
Semivolatiles TCLP						
1,4-Dichlorobenzene	<20	ug/L	01/03/1995	93	119	jcg
2,4-Dinitrotoluene	<20	ug/L				
Hexachlorobenzene	<20	ug/L				
Hexachlorobutadiene	<20	ug/L				
Hexachloroethane	<20	ug/L				
m-Cresol	<20	ug/L				
o-Cresol	<20	ug/L				
p-Cresol	<20	ug/L				
Total Cresol	<20	ug/L				
Nitrobenzene	<20	ug/L				
Pentachlorophenol	<20	ug/L				
Pyridine	<20	ug/L				
2,4,5-Trichlorophenol	<20	ug/L				
2,4,6-Trichlorophenol	<20	ug/L	-			

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-02

		_			•	Run	A 1
Parameter	Method	Result	Units	Date	Batch	gaten	Analyst
Metals - TCLP S	sw846, 1311	12/30/1994	date	12/30/1994		46	ecw
TCLP-EXTRACTION-ORG & METALS	SW846, 1311	12/28/1994	date	12/28/1994	12/28/	219	drm
TCLP Digestion-Metals	SW846 mod.	12/28/1994	date	12/28/1994	5503cw		gsw
Arsenic (As) TCLP 846 ICP S	SW846, 6010	<0.20	mg/L	01/03/1995	5503cw	75	gmp
Barium (Ba) TCLP 846 ICP S	SW846 ICP, TCLP 6010	0.92	mg/L	12/29/1994	5503cw	99	gmp
Cadmium (Cd) TCLP 846 ICP S	SW846 ICP TCLP, 6010	<0.025	mg/L	12/29/1994	5503cw	90	gmp
Chromium (Cr) TCLP 846 ICP S	SW846 ICP TCLP, 6010	<0.025	mg/L	12/29/1994	5503cw	96	gmp
Lead (Pb) TCLP 846 ICP S	SW846 ICP TCLP, 6010	<0.30	mg/L	01/03/1995	5503cw	82	gmp
Mercury (Hg) TCLP 846 CVAA S	SW846 cold vapor TCLP,	<0.0020	mg/L	01/03/1995	5503cw	127	drm
Selenium (Se) TCLP 846 ICP S	SW846, 6010, TCLP	<0.20	mg/L	01/03/1995	5503cw	74	gmp
Silver (Ag) TCLP 846 ICP S	SW846 ICP TCLP, 6010	<0.025	mg/L	12/29/1994	5503cw	97	gmp
EX Pesticides TCLP	su-846, 3500	12/29/1994	date	12/29/1994	expes_		hpm
EX Herbicides TCLP	SW0846, 8150 (modified)	12/29/1994	date	12/29/1994	exher_		kam
TCLP Zero Headspace Extraction	sw-846, 1311	12/28/1994	date	12/28/1994	zhe_94		kam
EX Semivolatiles TCLP	SW-846, 3500	12/29/1994	date	12/29/1994	exabn_		hpm

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-02

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
Pesticides TO	CLP					
Chlordane	<20	ug/L	12/30/1994	330	258	ner
Endrin	<2	ug/L				
Heptachlor and its epoxide	<4	ug/L				
gamma-BHC (Lindane)	<2	ug/L				•
Methoxychlor	<20	ug/L				
Toxaphene	<20	ug/L	,			

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-02

Parameter		Result	Units	Analysis Date	•	Run Batch	Analyst
Herbicides 2,4-D 2 4 5-TP	TCLP	<20 <2	ug/L ug/L	01/04/1995	109	80	gah

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-02

Parameter		Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Volatiles by GC/MS-TCLP Benzene Carbon Tetrachloride Chlorobenzene Chloroform 1,2-Dichloroethane Methyl Ethyl Ketone 1,1-Dichloroethene Tetrachloroethene Trichloroethene Vinyl Chloride	S	<25 <25 <25 <25 <25 <100 <25 <25 <25 <25 <25 <25 <25 <100	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	01/03/1995	129	218	vkk

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-02

			Analysis	Prep	Run		
Parameter	Result	Units	Date	Batch	Batch	Analyst	
Semivolatiles TCLP							
1,4-Dichlorobenzene	<20	ug/L	01/03/1995	93	119	jcg	
2,4-Dinitrotoluene	<20	ug/L					
Hexachlorobenzene	<20	ug/L					
Hexachlorobutadiene	<20	ug/L					
Hexachloroethane	<20	ug/L					
m-Cresol	<20	ug/L					
o-Cresol	<20	ug/L					
p-Cresol	<20	ug/L					
Total Cresol	<20	ug/L					
Nitrobenzene	<20	ug/L					
Pentachlorophenol	<20	ug/L					
Pyridine	<20	ug/L					
2,4,5-Trichlorophenol	<20	ug/L					
2,4,6-Trichlorophenol	<20	ug/L					

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-03

Parameter	Method	Result	Units	Analysis Pre Date Bat		Analyst
Metals - TCLP S	SW846, 1311	12/30/1994	date	12/30/1994	46	ecu
TCLP-EXTRACTION-ORG & METALS	SW846, 1311	12/28/1994	date	12/28/1994 12/2	28/ 219	drm
TCLP Digestion-Metals	SW846 mod.	12/28/1994	date	12/28/1994 550	Scw	gsw
Arsenic (As) TCLP 846 ICP S	SW846, 6010	0.21	mg/L	01/03/1995 550	Scw 75	gmb
Barium (Ba) TCLP 846 ICP S	SW846 ICP. TCLP 6010	0.57	mg/L	12/29/1994 550	Scw 99	gmp
Cadmium (Cd) TCLP 846 ICP S	SW846 ICP TCLP, 6010	<0.025	mg/L	12/29/1994 550	Scw 90	aub
Chromium (Cr) TCLP 846 ICP S	SW846 ICP TCLP, 6010	<0.025	mg/L	12/29/1994 550	Scw 96	gmp
Lead (Pb) TCLP 846 ICP S	SW846 ICP TCLP, 6010	<0.30	mg/L	01/03/1995 550	Scw 82	gmp
Mercury (Hg) TCLP 846 CVAA S	SW846 cold vapor TCLP,	<0.0020	mg/L	01/03/1995 550	Scw 127	drm
Selenium (Se) TCLP 846 ICP S	SW846, 6010, TCLP	<0.20	mg/L	01/03/1995 550	3cw 74	gmp
Silver (Ag) TCLP 846 ICP S	SW846 ICP TCLP, 6010	<0.025	mg/L	12/29/1994 550	Scw 97	gmp
EX Pesticides TCLP	sw-846, 3500	12/29/1994	date	12/29/1994 exp	es_	hpm
EX Herbicides TCLP	SW0846, 8150 (modified)	12/29/1994	date	12/29/1994 exh	er_	kam
TCLP Zero Headspace Extraction	sw-846, 1311	12/28/1994	date	12/28/1994 zhe	94	kam
EX Semivolatiles TCLP	sw-846, 3500	12/29/1994	date	12/29/1994 exa	on_	hpm

Report Date: 01/07/1995 .

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-03

				Analysis	•	Run	
Parameter		Result	Units	Date	Batch	Batch	Analyst
Pesticides	TCLP						
Chlordane		<20	ug/L	12/31/1994	330	258	ner
Endrin		<2	ug/L				
Heptachlor and its epoxi	de	<4	ug/L				
gamma-BHC (Lindane)		<2	ug/L				
Methoxychlor		<20	ug/L				
Toxaphene		<20	ug/L				

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-03

Parameter		Result	Units	Analysis Date	•	Run Batch	Analyst
Herbicides	TCLP	-20	.ua/1	01/03/1995	109	80	gah
2,4-D 2.4.5-TP		<20 <2	ug/L ug/L	01/03/1993	109	00	gan

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-03

			Analysis	Ргер	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
Volatiles by GC/MS-TCLP	S					
Benzene	<25	ug/L	01/04/1995	129	219	vkk
Carbon Tetrachloride	<25	ug/L				
Chlorobenzene	<25	ug/L				
Chloroform	<25	ug/L				
1,2-Dichloroethane	<25	ug/L				
Methyl Ethyl Ketone	<100	ug/L				
1,1-Dichloroethene	<25	ug/L				
Tetrachloroethene	<25	ug/L				
Trichloroethene	<25	ug/L				
Vinyl Chloride	<100	ug/L				

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-03

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Semivolatiles TCLP						
1,4-Dichlorobenzene	<20	ug/L	01/03/1995	93	119	jcg
2,4-Dînîtrotoluene	<20	ug/L				
Hexachlorobenzene	<20	ug/L				
Hexachlorobutadiene	<20	ug/L				
Hexachloroethane	<20	ug/L				
m-Cresol	<20	ug/L				
o-Cresol	<20	ug/L				
p-Cresol	<20	ug/L				
Total Cresol	<20	ug/L				
Nitrobenzene	<20	ug/L				
Pentachlorophenol	<20	ug/L				
Pyridine	<20	ug/L				
2,4,5-Trichlorophenol	<20	ug/L				
2,4,6-Trichlorophenol	<20	ug/L				

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-04

Parameter	Method	Result	Units			Run Batch	Analyst
Metals - TCLP S	sw846, 1311	12/30/1994	date	12/30/1994	4	46	ecw
TCLP-EXTRACTION-ORG & METALS	SW846, 1311	12/28/1994	date	12/28/1994 17	2/28/ 2	219	drm
TCLP Digestion-Metals	SW846 mod.	12/28/1994	date	12/28/1994 5	503сы		gsw
Arsenic (As) TCLP 846 ICP S	SW846, 6010	<0.20	mg/L	01/03/1995 5	503cw 7	75	gmp
Barium (Ba) TCLP 846 ICP S	SW846 ICP, TCLP 6010	0.96	mg/L	12/29/1994 5	503cw 9	99	gmp
Cadmium (Cd) TCLP 846 ICP S	SW846 ICP TCLP, 6010	<0.025	mg/L	12/29/1994 5	503cw 9	90	gmp
Chromium (Cr) TCLP 846 ICP S	SW846 ICP TCLP, 6010	<0.025	mg/L	12/29/1994 5	503cw 9	96	gmp
Lead (Pb) TCLP 846 ICP S	SW846 ICP TCLP, 6010	<0.30	mg/L	01/03/1995 5	503cw 8	82	gmp
Mercury (Hg) TCLP 846 CVAA S	SW846 cold vapor TCLP,	<0.0020	mg/L	01/03/1995 5	503cw 1	127	drm
Selenium (Se) TCLP 846 ICP S	SW846, 6010, TCLP	<0.20	mg/L	01/03/1995 5	503cw 7	74	gmp
Silver (Ag) TCLP 846 ICP S	SW846 ICP TCLP, 6010	<0.025	mg/L	12/29/1994 5	503cu 9	97	gmp
EX Pesticides TCLP	sw-846. 3500	12/29/1994	date	12/29/1994 e	xpes_		hpm
EX Herbicides TCLP	SW0846, 8150 (modified)	12/29/1994	date	12/29/1994 e	xher		kam
TCLP Zero Headspace Extraction	sw-846. 1311	12/28/1994	date	12/28/1994 z	he 94		kam
EX Semivolatiles TCLP	sw-846, 3500	12/29/1994	date	12/29/1994 e	exabn_		hpm

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-04

Parameter		Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Pesticides	TCLP						
Chlordane		<20	ug/L	12/31/1994	330	258	ner
Endrin		<2	ug/L				
Heptachlor and its epoxi	de	<4	ug/L				
gamma-BHC (Lindane)		<2	ug/L				
Methoxychlor		<20	ug/L				
Toxaphene		<20	ug/L				

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-04

Parameter		Result	Units	Analysis Date	•	Run Batch	Analyst
Herbicides	TCLP	<20	ug/L	01/03/1995	109	80	gah
2,4-D 2,4,5-TP		<2.0	ug/L	0.,03,.,,5	,		3

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-04

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
Volatiles by GC/MS-TCLP S						
Benzene	<25	ug/L	01/03/1995	129	218	vkk
Carbon Tetrachloride	<25	ug/L				
Chlorobenzene	<25	ug/L				
Chloroform	<25	ug/L				
1,2-Dichloroethane	<25	ug/L				
Methyl Ethyl Ketone	<100	ug/L				
1,1-Dichloroethene	<25	ug/L				•
Tetrachloroethene	<25	ug/L				
Trichloroethene	<25	ug/L				
Vinyl Chloride	<100	ug/L				

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-04

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Semivolatiles TCLP						
1,4-Dichlorobenzene	<20	ug/L	01/03/1995	93	119	jcg
2.4-Dinitrotoluene	<20	ug/L				
Hexachlorobenzene	<20	ug/L		. ••		
Hexachlorobutadiene	<20	ug/L				
Hexachloroethane	<20	ug/L				
m-Cresol	<20	ug/L				
o-Cresol	<20	ug/L .				
p-Cresol	<20	ug/L				
Total Cresol	<20	ug/L				
Nitrobenzene	<20	ug/L				
Pentachlorophenol	<20	ug/L				
Pyridine	<20	ug/L				
2,4,5-Trichlorophenol	<20	ug/L				
2,4,6-Trichlorophenol	<20	ug/L				

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-05

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Pesticides	TCLP					
Chlordane	<20	ug/L	12/31/1994	330	258	ner
Endrin	<2	ug/L				
Heptachlor and its epoxide	<4	ug/L				
gamma-BHC (Lindane)	<2	ug/L				
Methoxychlor	<20	ug/L				
Toxaphene	<20	ug/L				

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-05

Parameter		Result	Units	Analysis Date	•	Run Batch	Analyst
Herbicides 2,4-D	TCLP	<20	ug/L	01/03/1995	109	80	gah
2 4 5-TP		<2.0	ug/L				

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-05

Parameter		Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Volatiles by GC/MS-TCLP	s						
Benzene		<25	ug/L	01/03/1995	129	218	vkk
Carbon Tetrachloride		<25	ug/L				
Chlorobenzene		<25	ug/L				
Chloroform		<25	ug/L				
1,2-Dichloroethane	•	<25	ug/L				
Methyl Ethyl Ketone		<100	ug/L				
1,1-Dichloroethene		<25	ug/L				
Tetrachloroethene		<25	ug/L				
Trichloroethene		<25	ug/L				
Vinyl Chloride		<100	ug/L				

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-05

Analyst
jcg
. <u>-</u>

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-06

D	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
Parameter						
Volatiles by GC/MS-TCLP S						
Benzene	<25	ug/L	01/03/1995	129	218	vkk
Carbon Tetrachloride	<25	ug/L				
Chlorobenzene	<25	ug/L				
Chloroform	<25	ug/L				
1,2-Dichloroethane	<25	ug/L				
Methyl Ethyl Ketone	<100	ug/L				
1,1-Dichloroethene	<25	ug/L		•		
Tetrachloroethene ·	<25	ug/L				
Trichloroethene	<25	ug/L				
Vinyl Chloride	<100	ug/L				

Report Date: 01/07/1995

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Date Rec'd: 12/17/1994

Sample ID: IDW-06

			Analysis	Ргер	Run	Analyse
Parameter	Result	Units	Date	Batch	Batch	Analyst
Semivolatiles TCLP						
1,4-Dichlorobenzene	<20	ug/L	01/03/1995	93	119	jcg
2,4-Dinitrotoluene	<20	ug/L				
Hexachlorobenzene	<20	ug/L				
Hexachlorobutadiene	<20	ug/L				
Hexachloroethane	<20	ug/L				
m-Cresol	<20	ug/L				
o-Cresol	<20	ug/L				
p-Cresol	<20	ug/L				
Total Cresol	<20	ug/L				
Nitrobenzene	<20	ug/L				
Pentachlorophenol	<20	ug/L				
Pyridine	<20	ug/L				
2,4,5-Trichlorophenol	<20	ug/L				
2,4,6-Trichlorophenol	<20	ug/L				

#### QC SUMMARY INORGANICS REPORT : DUPLICATES

NET - CAMBRIDGE DIVISION Date of Report: 01/05/1995

Work ID : Batch : 5503CW

Page 1

	Duplicate: 94.041		Units : mg/L
	Sample	Duplicate	% RPD
Element As	<0.20	<0.20	
Ва	0.92	0.96	4
Cđ	<0.025	<0.025	
Cr	<0.025	<0.025	
Hg	<0.0020	<0.0020	
Pb	<0.30	<0.30	
Se	<0.20	<0.20	
Ag	<0.025	<0.025	

QC SUMMARY FOR INORGANICS REPORT : PREDIGESTION SPIKE

NET - CAMBRIDGE DIVISION
Date of Report: 01/05/1995

Work ID:

Batch: 5503CW

Page 2

PREDI	GESTION SPIKE: 94.0419	91 - 114385	Units : n	ıg/L
	Spiked Sample Result	Sample * Result	Spike Added	%Rec
Element As	4.9	<0.20	5.0	98
Ba	88	0.80	100	87
cd	0.86	<0.025	1.0	86
Cr	4.3	<0.025	5.0	86
Hg	0.0046	<0.00020	0.0050	92
Pb	4.4	<0.30	5.0	88
Se	1.1	<0.20	1.0	110
Ag	4.1	<0.025	5.0	82 

Final sample values reported were not corrected for matrix spike recovery.

\* Sample values reported on this form not corrected for dilutions, if any.

QC SUMMARY FOR INORGANICS REPORT : DIGESTION BLANKS

NET - CAMBRIDE DIVISION Date of Report: 01/05/1995 Work ID:

Batch :5503CW

Page 3

Brank: 0	lites . mg/h		
PBW	5503CW	TBLK 1 3518	
Element		1	
As	<0.20	<0.20	
Ba	<0.30	<0.30	
Cd	<0.025	<0.025	
Cr	<0.025	<0.025	
Hg	<0.0020	<0.0020	
Pb	<0.30	<0.30	
Se	<0.20	<0.20	
Ag	<0.025	<0.025	

All blank values are within acceptable limits.

### QC SUMMARY FOR INORGANICS REPORT : LAB CONTROL STANDARD

NET - CAMBRIDGE DIVISION Date of Report: 01/05/1995

Work ID:
Batch: 5503CW
Page: 4

Aqueous	LCS Source :	CAMBRG Units	: mg/L 5503CW	
	True	Found	% Rec	
Element As	1.0	0.93	93	
Ba	1.0	0.93	93	
cd	1.0	0.93	93	
Cr	1.0	0.93	93	
Hg	0.0040	0.0039	98	
Pb	1.0	0.89	89	
Se	1.0	0.96	96	
Ag	1.0	0.90	90 	==

#### **NET Cambridge Division**

#### QUALITY CONTROL DATA

Client: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Report Date: 01/07/1995

Surrogate Standard Percent Recovery

Abbreviated Surrogate Standard Names:

						<b>-</b>		000	SS10	SS11	SS12
CC1	CCO	ss3	554	SS5		ss7					
SS1	332	333					2	Obenel.	2 / 6-T	2-Fluor	Nitrobe
SS: Decachl	Dibutyl	Tetrach	2.4-Dic	Bromofl	1,2-Dic	Toluene	Z-Fluor	Phenot-	2,4,0-1	2 / (40)	NT CT ODC
Decaciic	Dibacy				-						

				Perce	ent Reco	very						
NET ID Matrix	SS1	ss2	ss3	\$\$4	SS5	<b>SS6</b>	ss7	882	SS9	SS10	SS11	SS12
114785 5011	81	 NR	69	50	108	99	102	61	65	79	83	85
114386 SOIL	81	NR	67	38	100	99	103	47	52	67	83	88
114387 SOIL	73	NR	65	18	93	97						93 79
* * * * * * * * * * * * * * * * * * * *						94	100	70	72	89	87	84
114399 SOIL	66	NR	50	45	104	98	103	14	14	14	19	18
	114385 SOIL 114386 SOIL 114387 SOIL 114388 SOIL 114389 SOIL	114385 SOIL 81 114386 SOIL 81 114387 SOIL 73 114388 SOIL 74 114389 SOIL 65	114385 SOIL 81 NR 114386 SOIL 81 NR 114387 SOIL 73 NR 114388 SOIL 74 NR 114389 SOIL 65 NR	114385 SOIL 81 NR 69 114386 SOIL 81 NR 67 114387 SOIL 73 NR 65 114388 SOIL 74 NR 69 114389 SOIL 65 NR 54	NET ID Matrix SS1 SS2 SS3 SS4  114385 SOIL 81 NR 69 50 114386 SOIL 81 NR 67 38 114387 SOIL 73 NR 65 18 114388 SOIL 74 NR 69 60 114389 SOIL 65 NR 54 68	NET ID Matrix SS1 SS2 SS3 SS4 SS5  114385 SOIL 81 NR 69 50 108  114386 SOIL 81 NR 67 38 100  114387 SOIL 73 NR 65 18 93  114388 SOIL 74 NR 69 60 103  114389 SOIL 65 NR 54 68 97	114385 SOIL 81 NR 69 50 108 99 114386 SOIL 81 NR 67 38 100 99 114387 SOIL 73 NR 65 18 93 97 114388 SOIL 74 NR 69 60 103 102 114389 SOIL 65 NR 54 68 97 94	NET ID         Matrix         SS1         SS2         SS3         SS4         SS5         SS6         SS7           114385         SOIL         81         NR         69         50         108         99         102           114386         SOIL         81         NR         67         38         100         99         103           114387         SOIL         73         NR         65         18         93         97         110           114388         SOIL         74         NR         69         60         103         102         103           114389         SOIL         65         NR         54         68         97         94         100	NET ID         Matrix         SS1         SS2         SS3         SS4         SS5         SS6         SS7         SS8           114385         SOIL         81         NR         69         50         108         99         102         61           114386         SOIL         81         NR         67         38         100         99         103         47           114387         SOIL         73         NR         65         18         93         97         110         77           114388         SOIL         74         NR         69         60         103         102         103         48           114389         SOIL         65         NR         54         68         97         94         100         70	NET ID Matrix SS1 SS2 SS3 SS4 SS5 SS6 SS7 SS8 SS9  114385 SOIL 81 NR 69 50 108 99 102 61 65 114386 SOIL 81 NR 67 38 100 99 103 47 52 114387 SOIL 73 NR 65 18 93 97 110 77 76 114388 SOIL 74 NR 69 60 103 102 103 48 49 114389 SOIL 65 NR 54 68 97 94 100 70 72	NET ID Matrix SS1 SS2 SS3 SS4 SS5 SS6 SS7 SS8 SS9 SS10  114385 SOIL 81 NR 69 50 108 99 102 61 65 79  114386 SOIL 81 NR 67 38 100 99 103 47 52 67  114387 SOIL 73 NR 65 18 93 97 110 77 76 89  114388 SOIL 74 NR 69 60 103 102 103 48 49 57  114389 SOIL 65 NR 54 68 97 94 100 70 72 89	NET ID Matrix SS1 SS2 SS3 SS4 SS5 SS6 SS7 SS8 SS9 SS10 SS11  114385 SOIL 81 NR 69 50 108 99 102 61 65 79 83 114386 SOIL 81 NR 67 38 100 99 103 47 52 67 83 114387 SOIL 73 NR 65 18 93 97 110 77 76 89 86 114388 SOIL 74 NR 69 60 103 102 103 48 49 57 81 114389 SOIL 65 NR 54 68 97 94 100 70 72 89 87

NR - This surrogate standard is Not Required. Other versions of this test method may use this surrogate standard. Dil - This surrogate standard was diluted to below detectable levels due to concentrations of analytes in this sample.

Complete Surrogate Standard Names Listed by Analysis:

Pesticide Surrogate Standards:

Decachl = Decachlorobiphenyl

Dibutyl = Dibutylchlorendate

Tetrach = Tetrachloro-m-xylene

Volatile Surrogate Standards:

Bromofl = Bromofluorobenzene

1,2-Dichl = 1,2-Dichloroethane-d4

Toluene = Toluene-d8

Drinking Water Method 524 1,2-Dichl = 1,2-Dichlorobenzene-d4

Semivolatlile Surrogate Standards:

2-Fluor (1st) = 2-Fluorobiphenyl

Phenol - = Phenol - d6

2,4,6-T = 2,4,6-Tribromophenol

2-Fluor (2nd) = 2-Fluorophenol

Nitrobe = Nitrobenzene-d5

p-Terph = p-Terphenyl

Herbicides Surrogate Standard:

2,4-Dic = 2,4-Dichlorophenyl acetic acid

Petroleum Hydrocarbon Fingerprint Surrogate Standard:

2-Fluor = 2-Fluorobiphenyl

para-Te = para-Terphynyl

#### **NET Cambridge Division**

#### QUALITY CONTROL DATA

Client: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Report Date: 01/07/1995

Surrogate Standard Percent Recovery

Abbreviated Surrogate Standard Names:

SS1 SS2

9

SS3

114390 SOIL

SS5

26

SS6

SS8

SS9

SS10

SS11

SS12

p-Terph

Sample ID

IDW-01 IDW-02 IDW-03 IDW-04 IDW-05

IDW-06

				Perce	nt Reco	very							
NET ID Matrix	<b>SS1</b>	SS2	SS3	SS4	SS5	ss6	ss7	\$\$8 	SS9	SS10	SS11	SS12	
114385 SOIL	108												
114386 SOIL	90												
114387 SOIL	111												
114388 SOIL	91												
114389 SOIL	105												

Notes:

NR - This surrogate standard is Not Required. Other versions of this test method may use this surrogate standard. Dil - This surrogate standard was diluted to below detectable levels due to concentrations of analytes in this sample.

Complete Surrogate Standard Names Listed by Analysis:

Pesticide Surrogate Standards:

Decachl = Decachlorobiphenyl

Dibutyl = Dibutylchlorendate

Tetrach = Tetrachloro-m-xylene

Volatile Surrogate Standards:

Bromof! = Bromofluorobenzene

1,2-Dicht = 1,2-Dichloroethane-d4

Toluene = Toluene-d3

Drinking Water Method 524 1,2-Dichl = 1,2-Dichlorobenzene-d4

Semivolatlile Surrogate Standards:

2-Fluor (1st) = 2-Fluorobiphenyl

Phenol- = Phenol-d6

2,4,6-T = 2,4,6-Tribromophenol

2-Fluor (2nd) = 2-Fluorophenol

Nitrobe = Nitrobenzene-d5

p-Terph = p-Terphenyl

<u>Herbicides Surrogate Standard</u>:

2,4-Dic = 2,4-Dichlorophenyl acetic acid

Petroleum Hydrocarbon Fingerprint Surrogate Standard:

2-Fluor = 2-Fluorobiphenyl

para-Te = para-Terphynyt

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Report Date : 01/07/1995

Test Name		Result	Units	Prep Batch	Run Batch	Run Date	Analyst Initials	
 Pesticides	TCLP							
Decachlorobiphenyl		69	% recov.	330	258	01/04/1995	ner	
Dibutylchlorendate		NR	% recov.	330	258	01/04/1995	ner	
Tetrachloro-m-xylene		59	% recov.	330	258	01/04/1995	ner	
Chlordane		<20	ug/L	330	258	01/04/1995	ner	
Endrin		<2	ug/L	330	258	01/04/1995	ner	
Heptachlor and its epoxi	de	<4	ug/L	330	258	01/04/1995	ner	-
gamma-BHC (Lindane)		<2	ug/L	330	258	01/04/1995	ner	
Methoxychlor		<20	ug/L	330	258	01/04/1995	ner	
Toxaphene		<20	ug/L	330	258	01/04/1995	ner	

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Report Date: 01/07/1995

Method Blank Analysis Dat	Method	Blank	Anal <sup>*</sup>	ysis	Data
---------------------------	--------	-------	-------------------	------	------

w News	Result	Units	Prep Batch	Run Batch	Run Date	Analyst Initials	
Test Name							
Pesticides TCLP					•		
Decachlorobiphenyl	79	% recov.	330	258	12/30/1994	ner	
Dibutylchlorendate	NR	% recov.	330	258	12/30/1994	ner	
Tetrachloro-m-xylene	65	% recov.	330	258	12/30/1994	ner	
Chlordane	<20	ug/L	330	258	12/30/1994	ner	
Endrin	<2	ug/L	330	258	12/30/1994	ner	
Heptachlor and its epoxide	<4	ug/L	330	258	12/30/1994	ner	
gamma-BHC (Lindane)	<2	ug/L	330	258	12/30/1994	ner	
_	<20	ug/L	330	258	12/30/1994	ner	
Methoxychlor Toxaphene	<20	ug/L	330	258	12/30/1994	ner	

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Report Date : 01/07/1995

Test Name		Result	Units	Prep Batch	Run Batch	Run Date	Analyst Initials	
 Herbicides	TCLP							
2,4-Dichlorophenylacetic	: Acid	52	% recov.	109	80	01/03/1995	gah	
2,4-D		<20	ug/L	109	80	01/03/1995	gah	
2 4 5-TP		<2.0	ua/i	109	80	01/03/1995	gah	

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Report Date : 01/07/1995

Test Name		Result	Units	Prep Batch	Run Batch	Run Date	Analyst Initials	
Herbicides	TCLP							
2,4-Dichlorophenyl	acetic Acid	56	% recov.	109	80	01/03/1995	gah	
2,4-D		<20	ug/L	109	80	01/03/1995	gah	
2 4 5-TP		<2.0	ug/L	109	80	01/03/1995	gah	

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Report Date: 01/07/1995

	Test Name		Result	Units	Prep Batch	Run Batch	Run Date	Analyst Initials	
			·						
	Volatiles by GC/MS-TCLP	S							
	Bromofluorobenzene		94	% гесоу.	129	217	12/20/1994	vkk	
	1.2-Dichloroethane-d4		94	% recov.	129	217	12/20/1994	vkk	
	Toluene-d8		96	% recov.	129	217	12/20/1994	vkk	
	Benzene		<25	ug/L	129	217	12/20/1994	vkk	
	Carbon Tetrachloride		<25	ug/L	129	217	12/20/1994	vkk	
	Chlorobenzene		<25	ug/L	129	217	12/20/1994	vkk	
•	Chloroform		<25	ug/L	129	217	12/20/1994	vkk	
	1.2-Dichloroethane		<25	ug/L	129	217	12/20/1994	vkk	
	Methyl Ethyl Ketone		<100	ug/L	129	217	12/20/1994	vkk	
	1.1-Dichloroethene		<25	ug/L	129	217	12/20/1994	vkk	
	Tetrachloroethene	4	<25	ug/L	129	217	12/20/1994	vkk	
			<25	ug/L	129	217	12/20/1994	vkk	
	Trichloroethene		<100		129	217	12/20/1994	vkk	
	Vinyl Chloride		<100	ug/L	167	417	,, .,,	****	

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Report Date : 01/07/1995

Test Name		Result	Units	Prep Batch	Run Batch	Run Date	Analyst Initials	
Volatiles by GC/MS-TCLP	S							
Bromofluorobenzene		95	% recov.	129	218	01/03/1995	vkk	
1,2-Dichloroethane-d4		98	% recov.	129	218	01/03/1995	vkk	
Toluene-d8		105	% recov.	129	218	01/03/1995	vkk	
Benzene		<25	ug/L	129	218	01/03/1995	vkk	
Carbon Tetrachloride		<25	ug/L	129	218	01/03/1995	vkk	
Chlorobenzene		<25	ug/L	129	218	01/03/1995	vkk	
Chloroform		<25	ug/L	129	218	01/03/1995	vkk	
1.2-Dichloroethane		<25	ug/L	129	218	01/03/1995	vkk	
•		<100	ug/L	129	218	01/03/1995	vkk	
Methyl Ethyl Ketone		<25	ug/L	129	218	01/03/1995	vkk .	
1,1-Dichloroethene		<25	ug/L	129	218	01/03/1995	vkk	
Tetrachloroethene			-	129	218	01/03/1995	vkk	
Trichloroethene		<25	ug/L		_	01/03/1995	vkk	
Vinyl Chloride		<100	ug/L	129	218	01/03/1993	VKK	

Report To: Aneptek

NET Job No: 94.04191

Project: No. Smithfield RI ANG Station

Report Date : 01/07/1995

	The throat broad	ik kilatysis be	Prep	Run	Run	Analyst	
Test Name	Result	Units	Batch	Batch	Date	Initials	
 Semivolatiles TCLP							
2-Fluorophenol	86	% recov.	93	119	01/03/1995	jcg	
Phenol-d6	82	% гесоу.	93	119	01/03/1995	jcg	
2,4,6-Tribromophenol	96	% recov.	93	119	01/03/1995	jcg	
2-Fluorobiphenyl	86	% гесоу.	93	119	01/03/1995	jcg	
Nitrobenzene-d5	85	% recov.	93	119	01/03/1995	jcg	
p-Terphenyl-d14	109	% recov.	93	119	01/03/1995	jcg	•
1,4-Dichlorobenzene	<20	ug/L	93	119	01/03/1995	jcg	
2,4-Dinitrotoluene	<20	ug/L	93	119	01/03/1995	jcg	
Hexach Lorobenzene	<20	ug/L	93	119	01/03/1995	jcg	
Hexachlorobutadiene	<20	ug/ <b>L</b>	93	119	01/03/1995	jcg	
Hexachloroethane	<20	ug/L	93	119	01/03/1995	jcg	
m-Cresol	<20	ug/L	93	119	01/03/1995	jcg	
o-Cresol	<20	ug/L	93	119	01/03/1995	jcg	
p-Cresol	<20	ug/L	93	119	01/03/1995	jcg	
Total Cresol	<20	ug/L	93	119	01/03/1995	jcg	
Nitrobenzene	<20	ug/L	93	119	01/03/1995	jcg	
Pentachlorophenol	<20	ug/L	93	119	01/03/1995	jcg	
Pyridine _	<20	ug/L	93	119	01/03/1995	jcg	
2,4,5-Trichlorophenol	<20	ug/L	93	119	01/03/1995	jcg	
2,4,6-Trichlorophenol	<20	ug/L	93	119	01/03/1995	jcg	

#### 3F TCLP MATRIX SPIKE

Lab Name: NET Inc.-Cambridge Division Contract: Aneptek

Lab Code: CAMBRG Case No.: 94.04191 SDG No.:

Client Sample No.: 114388T Level: LOW

Compound	Spike	Sample	MS	MS
	Added	Conc.	Conc.	%
	(ug/L)	(ug/L)	(ug/L)	REC.
LINDANE	40 40 40 40 40 N/A N/A	0 0 0 0 0 0 N/A N/A	22.223 21.859 22.335 21.681 24.720 N/A N/A	56 55 56 54 62 N/A N/A

Spike Recovery: \_\_\_\_ out of 7 outside limits

Comments:

#### HERBICIDE MATRIX SPIKE RECOVERY

Lab Name:

CAMBRG

Contract: Aneptek

Lab Code: CAMBRG

Case No: 94.04191 SDG No.: \_\_\_\_

Matrix Spike - EPA Sample No.: 114386

Matrix: WATER TCLP

CONCENTRATION UNITS: ug/L

Compound	Spike Added	Sample Concentration	MS Concentration	MS % Rec.	QC LIMITS REC.
2,4-D	20	0	14.8	74	63 - 87
Silvex	2	0	0.79	40	73 - 103

NET Cambridge DATA BHEET VOA T REBULTS BY FRACTION

DATE and TIME COLLECTED 18-38-94 SAMPLE ID . 94. 104191 - 114390 PAGE (A.-17-94 RECEIVED! (A.-17-94

TEST YOR DY GC/HB

date analyzed: 01/03/94

DASH

TCLP ANALYSIS - VOLATILES

	A DESC	25	377	13/	(35)	401	7/1	011	7	
7	CONCENTRATION	(17.75)	118.20	120.69	40.04	107.25	221.34	54. 611	13.88	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
	CONCENTRATION	(ng/E)								
	SPIKE 1. ADDED	(ug/E)	300	500	500	200	000/	- 500	2005	27×
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### SEMINOLATILE TOLF SPIKE COMPOUND RECOMERIES

File >F0206 Job No. 93.04191 Sample 114390NS

	ug/mL	% Recovery
1,4-Dichlorobenzene 2,4-Dinitrotoluene Hexachlorobenzene Hexachlorobutadiene Hexachloroethane	84.7 <u>0.8</u> 153.4 89.4 83.8 84.4	85 63 89 84 84
Total Cresol Hitrobenzene Pentachlorophenol Pyridine 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	228.6 64.0 115.6 4.6 93.5 90.3	76 84 116 5 94 90



CHAIN OF CUSTODY RECORD

COMPANY AMEDIER

ADDRESS 1. ADDRESS 20, WEST CENTRAL STREET MATICK PROJECT NAME/LOCATION 16. CHITHFIELD ANG PROJECT NUMBER 94 110, 32 PROJECT MANAGER /7.KE PLUMB PHONE (508 650-1048

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REPORT TO:	OT HOLOVI	P.O. NO.		NET QUOTE NO.
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	X X X	
CONDITION OF SAMPLE: BOTTLES INTACT? YES/NO	ES / NO COC SEALS PRESENT AND INTACT? YES / NO	NO TEMPERATURE UPON RECEIPT:
FIELD FILTERED? YES/NO		·
SAMPLE REMAINDER DISPOSAL: RETURN SAMI	RETURN SAMPLE REMAINDER TO CLIENT VIA	DATE
РЕЦИОИВНЕО ВҮ.   DATE/TIME   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534   1534	REGEIVED BY:	1971 BILL BILL RECEIVED HOT WILL WILL
METHOD OF SHIPMENT	REMARKS:	
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#### ANALYTICAL REPORT

Report To:

Mr. John Lee

Aneptek 209 West Central Street Natick, MA 01760

Project:

No. Smithfield RI ANG Station

01/20/1995

NET Job Number: 95.00043

National Environmental Testing

NET Atlantic, Inc. Cambridge Division 12 Oak Park Bedford, MA 01730

Massachusetts Certification Number M MA023

#### Cambridge Division NET

#### ANALYTICAL REPORT

Report To:

Mr. John Lee Aneptek 209 West Central Street Natick, MA 01760

Reported By:

National Environmental Testing NET Atlantic, Incorporated Cambridge Division 12 Oak Park

Bedford, MA 01730

Report Date: 01/20/1995

NET Job Number: 95.00043

Project: No. Smithfield RI ANG Station

NET Client No: 4025

P.O. No: DAHA90-93-D-0003

Collected By: client

Shipped Via: NET

Job Description: Project # 94110.32

Airbill No:

This report has been approved and certified for release by the following staff. Please feel free to call the NET Project Manager at 617-275-3535 with any questions or comments.

Alison P. Darrow NET Project Manager Report prepared by **NET Reports Group** 

Analytical data for the following samples are included in this data report.

SAMPLE	NET	DATE	TIME	DATE	MATRIX
ID	ID	TAKEN	TAKEN	REC'D	
10W-08	115224	01/10/1995	08:22	01/11/1995	GROUND WATER

Report Date: 01/20/1995

Report To: Aneptek

NET Job No: 95.00043

Project: No. Smithfield RI ANG Station

Date Rec'd: 01/11/1995

Sample ID: IDW-08

Parameter	Method	Result	Units	Analysis Date	•	Run Batch	Analyst
Metal Priority Pollutants, AQ Aq. Dig. SW846, 3010 mod AQ Aq. Dig. GFAA SW846,3020mod AQ Antimony (Sb) DIS 846 ICP AQ Arsenic (As) 846 GFAA AQ Beryllium (Be) 846 ICP AQ Cadmium (Cd) 846 ICP AQ Chromium (Cr) 846 ICP AQ Copper (Cu) 846 ICP AQ Lead (Pb) 846 GFAA AQ Mercury (Hg) 846 CVA AQ Nickel (Ni) 846 ICP AQ Selenium (Se) 846 GFAA AQ Silver (Ag) 846 ICP AQ Thallium (Tl) 846 GFAA AQ Zinc (Zn) 846 ICP AQ	EPA 200 series SW846,3010 mod SW84,3020 mod GFAA SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 furnace, 7000 SW846 tCP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010 SW846 ICP, 6010	01/16/1995 01/12/1995 01/12/1995 <0.10 0.013 <0.0050 <0.0050 <0.010 0.012 <0.050 * <0.00020 <0.040 <0.025 0.018 <0.20 * 0.032	date date mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	01/16/1995 01/13/1995 01/13/1995 01/16/1995 01/17/1995 01/13/1995 01/13/1995 01/13/1995 01/13/1995 01/13/1995 01/13/1995 01/13/1995 01/13/1995 01/13/1995	5513cw 5513cw 5513cw 5513cw 5513cw 5513cw 5513cw 5513cw 5513cw 5513cw 5513cw 5513cw 5513cw	344 192 333 485 465 495 203 470 438 138 447	ecw gsw gsw gmp mwt gmp gmp gmp mwt drm gmp mwt gmp
EX Acid/Base/Neutrals 8270 AQ	sw-846, 3500	01/12/1995	date	01/12/1995	exabn_		hpm

<sup>\*</sup> NOTE: Diluted because of matrix interference.

#### NET Cambridge Division

#### ANALYTICAL REPORT

Report Date: 01/20/1995

Report To: Aneptek

NET Job No: 95.00043

Project: No. Smithfield RI ANG Station

Date Rec'd: 01/11/1995

Sample ID: IDW-08

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
Volatiles, combined 8010/20 AQ						
Benzene	<1.0	ug/L	01/19/1995		346	dry
Bromodichloromethane	<1.0	ug/L				
Bromoform	<1.0	ug/L				
Bromomethane	<1.0	ug/L				
Carbon Tetrachloride	<1.0	ug/L				
Chlorobenzene	<1.0	ug/L				
Chloroethane	<1.0	ug/L				
2-Chloroethylvinyl ether	<1.0	ug/L				
Chloroform	<1.0	ug/L				
Chloromethane	<1.0	ug/L				
Dibromochloromethane	<1.0	ug/L				
1.2-Dichlorobenzene	<1.0	ug/L				
1.3-Dichlorobenzene	<1.0	ug/L				
1,4-Dichlorobenzene	<1.0	ug/L				
Dichlorodifluoromethane	<1.0	ug/L				
1.1-Dichloroethane	<1.0	ug/L				
1,2-Dichloroethane	<1.0	ug/L				
1,1-Dichloroethene	<1.0	ug/L				
trans-1,2-Dichloroethene	<1.0	ug/L				
1,2-Dichloropropane	<1.0	ug/L				
cis-1.3-Dichloropropene	<1.0	ug/L				
trans-1.3-Dichloropropene	<1.0	ug/L				
Ethylbenzene	<1.0	ug/L				
Methylene Chloride	<1.0	ug/L				
1.1.2.2-Tetrachloroethane	<1.0	ug/L				
Tetrachloroethene	<1.0	ug/L				
Toluene	9	ug/L				
1,1,1-Trichloroethane	<1.0	ug/L				
1.1.2-Trichloroethane	<1.0	ug/L				
Trichloroethene	<1.0	ug/L				
Trichlorofluoromethane	<1.0	ug/L				
Vinyl Chloride	<1.0	ug/L				
m-Xylene	<1.0	ug/L				
o-Xylene	<1.0	ug/L				
p-Xylene	<1.0	ug/L				
, , , , , , , , , , , , , , , , , , , ,						

### NET Cambridge Division

### ANALYTICAL REPORT

Report Date: 01/20/1995

Report To: Aneptek

NET Job No: 95.00043

Date Rec'd: 01/11/1995

Project: No. Smithfield RI ANG Station

Sample ID: IDW-08

NET Sample No: 115224

Parameter	Result	Units	Analysis Date	Prep Batch	Run Batch	Analyst
TCL Acid/Base/Neutrals 8270 AQ						
Acenaphthene	<2	ug/L	01/17/1995	352	882	jcg
Acenaphthylene	<2	ug/L				
Anthracene	<2	ug/L				
Benzidine	<2	ug/L				
Benzo(a)Anthracene	<2	ug/L				
Benzo(a)Pyrene	<2	ug/L				
Benzo(b)Fluoranthene	<2	ug/L				
Benzo(g,h,i)Perylene	<2	ug/L				
Benzo(k)Fluoranthene	<2	ug/L				
Benzoic Acid	<2	ug/L				
Benzyl Alcohol	<2	ug/L				
4-Bromophenyl-phenylether	<2	ug/L				
Butylbenzylphthalate	<2	ug/L				
4-Chloro-3-Methylphenol	<2	ug/L				
4-Chloroaniline	<2	ug/L				
bis(2-Chloroethoxy)Methane	<2	ug/L				
bis(2-Chloroethyl)Ether	<2	ug/L				
bis(2-Chloroisopropyl)Ether	<2	ug/L				
2-Chloronaphthalene	<2	ug/L				
2-Chlorophenol	<2	ug/L				
4-Chlorophenyl-phenylether	<2	ug/L				
Chrysene	<2	ug/L				
Di-n-Butylphthalate	<2	ug/L				
Di-n-Octyl Phthalate	<2	ug/L				
Dibenz(a,h)Anthracene	<2	ug/L				
Dibenzofuran	- <2	ug/L				
1,2-Dichlorobenzene	<2	ug/L				
1,3-Dichlorobenzene	<2	ug/L				
1,4-Dichtorobenzene	<2	ug/L				
•	<2	ug/L				
3,3'-Dichlorobenzidine	<2	ug/L				
2,4-Dichlorophenol	<2	ug/L				
Diethylphthalate	<2	ug/L				
Dimethyl Phthalate	<2	ug/L				
2,4-Dimethylphenol	<2	ug/L			_	
4,6-Dinitro-2-Methylphenol	<2	ug/L				
2,4-Dinitrophenol	<2	ug/L				
2,4-Dinitrotoluene						
2,6-Dinitrotoluene	<2 2	ug/L ug/L				
bis(2-Ethylhexyl)Phthalate	<b>«</b> <2					
Fluoranthene	```	ug/L				
Fluorene	<2 <2	ug/L				
Hexachlorobenzene		ug/L				•
Hexachlorobutadiene	<2	ug/L				
Hexachlorocyclopentadiene	<2	ug/L				
Hexachloroethane	<2	ug/L				
Indeno(1,2,3-cd)Pyrene	<2	ug/L				
Isophorone	<2	ug/L				

### NET Cambridge Division

### ANALYTICAL REPORT

Report Date: 01/20/1995

Report To: Aneptek

NET Job No: 95.00043

Project: No. Smithfield RI ANG Station

Date Rec'd: 01/11/1995

Sample ID: IDW-08

NET Sample No: 115224

			Analysis	Prep	Run	
Parameter	Result	Units	Date	Batch	Batch	Analyst
2-Methylnaphthalene	2	ug/L				
2-Methylphenol	<2	ug/L	01/17/1995	352	882	jcg
4-Methylphenol	<2	ug/L				
N-Nitroso-di-n-Propylamine	<2	ùg/L				
N-Nitrosodimethylamine	<2	ug/L				
N-Nitrosodiphenylamine	<2	ug/L				
Naphthalene	<2	ug/L				
2-Nitroaniline	<2	ug/L				
3-Nitroaniline	<2	ug/L				
4-Nitroaniline	<2	ug/L				
Nitrobenzene	<2	ug/L				
2-Nitrophenol	<2	ug/L				
4-Nitrophenol	<2	ug/L				
Pentachlorophenol	· <2	ug/L				
Phenanthrene	. <2	ug/L				
Phenol	<2	ug/L				
Pyrene	<2	ug/L				
1.2.4-Trichlorobenzene	<2	ug/L				
2,4,5-Trichlorophenol	<2	ug/L				
2,4,6-Trichlorophenol	<2	ug/L				

### QC SUMMARY FOR INORGANICS REPORT: LAB CONTROL STANDARDS

NET-CAMBRIDGE DIVISION

Date of report: 01/19/95

Work ID: SDG/ Batch: 9500043

Page:

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Standard:		LCSHCL 5	513CW (	Liquid)		LCSHG 55	13CW (L	iquid)	
Standard.	True	Found	Units	% R	True	Found	Units	% R	
Element				. •					
Ag	1.0	0.92	mg/L	92 l					
As	1.0	1.0	mg/L	100 l					!
cd I	1.00	0.95	mg/L	95 l					ļ
Cu l	1.00	1.01	mg/L	101			•		!
Hg	•			I	0.0040	0.0042	mg/L	105	ŀ
Be +	0.20	0.19	mg/L	95 +					+
Ni	1.0	0.98	mg/L	98 l					!
Pb	1.0	0.95	mg/L	95 <b> </b>	•				!
Sb	1.0	0.99	mg/L	99					İ
Se	1.0	1.0	mg/L	100					į.
Tl I				I					1
C/ +	1-0	0.94	mgh	94 +					+
Zn l	1.0	0.91	mg/L	91			•		1
·	•								
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Standard:		LCSHN03							
•	True	Found	Units	% R					
Element									
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As	0.020	0.019	mg/L	95					
cd I				i					
Cu				j					
Hg									
+				+					
Ni		0.000	er /T	110					
Pb	0.020	0.022	mg/L	110					
Sb !	0.010	0.010	m~/T	100					
Se I	0.010		-	98 1					
Tl !	0.050	0.049	mg/L	70					
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Zn I				 			======	======	====

### QC SUMMARY FOR INORGANICS REPORT: DIGESTION BLANKS

NET-CAMBRIDGE DIVISION
Date of report: 01/19/95

Work ID:

SDG/ Batch: 9500043

Page:

3

5513CW Blank: Found, mg/L Element < 0.010 Ag < 0.010 As < 0.0050 Cd 1 < 0.010 Cu < 0.00020 Нg (0.00S0 Be < 0.040 Ni < 0.010 Pb < 0.10 Sb < 0.0050 Se < 0.010 Tl Cr + <0.010 < 0.020 Zn

Ears : 119/95

### QC SUMMARY FOR INORGANICS REPORT: PRE-DIGESTION SPIKES

NET-CAMBRIDGE DIVISION

Date of report:

01/19/95

Work ID:

SDG/ Batch: 9500043

Page:

2

	•	
,		:======================================
	Spike: 0043-115224	(Aqueous)

_			Sample	e	Spike	Added	%Recove	ery
	ment							
510	Ag	ı	0.018 1	mg/L	0.029	0.050	22	13
	As	i		mg/L	0.040	0.040	68	1*
	ca	i	< 0.0050 r		0.048	0.050	96	i
	Cu	i		mg/L	0.24	0.250	91	1
	Hg	i	<0.00020 1	mg/L	0.00090	0.0010	90	1
	Be	+	£ 0.0000 t	_	0.042	0.050	ક્ષ્પ	+
	Ni	1		mg/L	0.49	0.500	98	1
	Pb	i	< 0.050 1	mg/L <	0.010	0.020	0	13
	Sb	İ	< 0.10	mg/L	0.47	0.500	94	
	Se	İ	< 0.025	mg/L <	0.0050	0.010	. 0	*
	Tl	i	< 0.20	mg/L <	0.010	0.050	0_	138
	Cr	+	<0.010 ·	Mg 12	0.19	0.200	95	+
	Zn	ļ	0.032	mg/L	0.48	0.500	90	ļ
. , = = =	====	===:	===============	=======	=======	========	======	==========

\* Matrix intergrence indicated.

Ecu 119197

### QC SUMMARY FOR INORGANICS REPORT: DUPLICATES

NET-CAMBRIDGE DIVISION
Date of report: 01/ 01/19/95

Work ID: SDG/ Batch: 9500043

Page:

1

====== Duplicat	=== :e:	002	======= 27-115167(	====== Aqueous	======= 5)	004	======= 13-115224(	===== Aqueou:	=======================================
		Sample	Duplicat	e	%RPD	Sample	Duplicat	е	%RPD
% solids	<b>5</b> :								
Element	<del></del>					0.019	< 0.010	mg/L	2001
Ag	<	0.010				0.018 0.013	0.013	mg/L	01
As Cd	1 <	0.10				< 0.0050	< 0.0050	mg/L	
Cui	13					0.012	< 0.010	mg/L	2001
Hg	i	0.0011	0.0011	mg/L	10	•	*	: -	1
Be	+				+	20.0050	<0.0050		~+
Ni	1 <	0.040				< 0.040	< 0.040	mg/L	!
Pb	1 <	0.10			1	< 0.050	₹ 0.0\$₽	mg/L	!
Sb	1 <	0.10				< 0.10	< 0.10	mg/L	
Se	1 <	0.20			1	< 0.025	< 0.025	mg/L	
Tl	1				1	< 0.20	< 0.20	mg/L	!
c	+				+	<0.010	015.0>	mg/c	+
Zn	1 <	0.020				0.032	0.034	mg/L	61

Ecu 1/19/95

### NET Cambridge Division

### QUALITY CONTROL DATA

Client: Aneptek

NET Job No: 95.00043

Project: No. Smithfield RI ANG Station

Report Date: 01/20/1995

Surrogate Standard Percent Recovery

Abbreviated Surrogate Standard Names:

SS1 SS2 SS3 SS4 SS5 SS6 SS7 SS8 SS9 SS10 SS11 SS12

Trifluo Bromofl 2-Fluor Phenol- 2,4,6-T 2-Fluor Nitrobe p-Terph

Percent Recovery

Sample ID NET ID Matrix SS1 SS2 SS3 SS4 SS5 SS6 SS7 SS8 SS9 SS10 SS11 SS12

IDW-08 115224 GROUND WATER 114 101 55 52 88 70 64 94

Notes:

NR - This surrogate standard is Not Required. Other versions of this test method may use this surrogate standard.
Dil - This surrogate standard was diluted to below detectable levels due to concentrations of analytes in this sample.

Complete Surrogate Standard Names Listed by Analysis:

Pesticide Surrogate Standards:

Decachl = Decachlorobiphenyl Dibutyl = Dibutylchlorendate Tetrach = Tetrachloro-m-xylene

Volatile Surrogate Standards:

Bromofl = Bromofluorobenzene 1,2-Dichl = 1,2-Dichloroethane-d4 Toluene = Toluene-d8

Drinking Water Method 524 1,2-Dichl = 1,2-Dichlorobenzene-d4

Semivolatlile Surrogate Standards:

2-Fluor (1st) = 2-Fluorobiphenyl Phenol- = Phenol-d6 2,4,6-T = 2,4,6-Tribromophenol

2-Fluor (2nd) = 2-Fluorophenol Nitrobe = Nitrobenzene-d5 p-Terph = p-Terphenyl

Herbicides Surrogate Standard:

2,4-Dic = 2,4-Dichlorophenyl acetic acid

Petroleum Hydrocarbon Fingerprint Surrogate Standard:

2-Fluor = 2-Fluorobiphenyl para-Te = para-Terphynyl

### NET Cambridge Division QUALITY CONTROL DATA

Report To: Aneptek

NET Job No: 95.00043

Project: No. Smithfield RI ANG Station

Report Date : 01/20/1995

	method bta	ik Midtysis De				
			Prep	Run	Run	Analyst
Test Name .	Result	Units	Batch	Batch	Date	Initials
Volatiles, combined 8010/20 AQ						
Bromofluorobenzene	96	% recov.		346	01/19/1995	dry
Benzene	<1.0	ug/L		346	01/19/1995	dry
Bromodichloromethane	<1.0	ug/L		346	01/19/1995	dry
Bromoform	<1.0	ug/L		346	01/19/1995	dry
Bromomethane	<1.0	ug/L		346	01/19/1995	dry
Carbon Tetrachloride	<1.0	ug/L		346	01/19/1995	dry
Chlorobenzene	<1.0	ug/L		346	01/19/1995	dry
Chloroethane	<1.0	ug/L		346	01/19/1995	dry
2-Chloroethylvinyl ether	<1.0	ug/L		346	01/19/1995	dry
Chloroform	<1.0	ug/L		346	01/19/1995	dry
Chloromethane	<1.0	ug/L		346	01/19/1995	dry
Dibromochloromethane	<1.0	ug/L		346	01/19/1995	dry
1.2-Dichlorobenzene	<1.0	ug/L		346	01/19/1995	dry
1,3-Dichlorobenzene	<1.0	ug/L		346	01/19/1995	dry
1.4-Dichlorobenzene	<1.0	ug/L		346	01/19/1995	dry
Dichlorodifluoromethane	<1.0	ug/L		346	01/19/1995	dry
1,1-Dichloroethane	<1.0	ug/L		346	01/19/1995	dry
1.2-Dichloroethane	<1.0	ug/L		346	01/19/1995	dry
1,1-Dichloroethene	<1.0	ug/L		346	01/19/1995	dry
trans-1,2-Dichloroethene	<1.0	ug/L		346	01/19/1995	dry
1.2-Dichloropropane	<1.0	ug/L		346	01/19/1995	dry
cis-1.3-Dichloropropene	<1.0	ug/L		346	01/19/1995	dry
trans-1,3-Dichloropropene	<1.0	ug/L		346	01/19/1995	dry
Ethylbenzene	<1.0	ug/L		346	01/19/1995	dry
Methylene Chloride	1	ug/L	٠	346	01/19/1995	dry
1,1,2,2-Tetrachloroethane	<1.0	ug/L		346	01/19/1995	dry
Tetrachloroethene	<1.0	ug/L		346	01/19/1995	dry
Toluene	<1.0	ug/L		346	01/19/1995	dry
1,1,1-Trichloroethane	<1.0	ug/L		346	01/19/1995	dry
1,1,2-Trichloroethane	<1.0	ug/L		346	01/19/1995	dгу
Trichloroethene	<1.0	ug/L		346	01/19/1995	dry
Trichlorofluoromethane	<1.0	ug/L		346	01/19/1995	dry
Vinyl Chloride	<1.0	ug/L		346	01/19/1995	dry
m-Xylene	<1.0	ug/L		346	01/19/1995	dry
	<1.0	ug/L		346	01/19/1995	dry
o-Xylene	~1.U	ug/ L			0., .,, .,,	/

### NET Cambridge Division

### QUALITY CONTROL DATA

Report To: Aneptek

NET Job No: 95.00043

Project: No. Smithfield RI ANG Station

Report Date : 01/20/1995

			ita Prep	Run	Run	Analyst
Test Name	Result	Units	•	Batch	Date	Initials
TCL Acid/Base/Neutrals 8270 AQ						
2-Fluorophenol	63	% recov.	352	882	01/17/1995	jcg
Phenol-d5	53	% recov.	352	882	01/17/1995	jcg
2.4.6-Tribromophenol	89	% recov.	352	882	01/17/1995	jcg
2-Fluorobiphenyl	76	% recov.	352	882	01/17/1995	jcg
Nitrobenzene-d5	72	% recov.	352	882	01/17/1995	jcg
p-Terphenyl-d14	94	% recov.	352	882	01/17/1995	jcg
Acenaphthene	<2	ug/L	352	882	01/17/1995	jcg
Acenaphthylene	<2	ug/L	352	882	01/17/1995	jcg
Anthracene	<2	ug/L	352	882	01/17/1995 .	jcg
Benzidine	<2	ug/L	352	882	01/17/1995	ĵcg
Benzo(a)Anthracene	<2	ug/L	352	882	01/17/1995	jcg
Benzo(a)Pyrene	<2	ug/L	352	882	01/17/1995	jcg
Benzo(b)Fluoranthene	<2	ug/L	352	882	01/17/1995	jcg
Benzo(g,h,i)Perylene	<2	ug/L	352	882	01/17/1995	jcg
Benzo(k)Fluoranthene	<2	ug/L	352	882	01/17/1995	jcg
Benzoic Acid	<2	ug/L	352	882	01/17/1995	jcg
Benzyl Alcohol	. ; . <2	ug/L	352	882	01/17/1995	jcg
4-Bromophenyl-phenylether	<2	ug/L	352	882	01/17/1995	jcg
Butylbenzylphthalate	<2	ug/L	352	882	01/17/1995	jcg
4-Chloro-3-Methylphenol	<2	ug/L	352	882	01/17/1995	jcg
4-Chloroaniline	<2	ug/L	352	882	01/17/1995	jcg
bis(2-Chloroethoxy)Methane	<2	ug/L	352	882	01/17/1995	jcg
bis(2-Chloroethyl)Ether	<2	ug/L	352	882	01/17/1995	jcg
bis(2-Chloroisopropyl)Ether	<2	ug/L	352	882	01/17/1995	jcg
2-Chloronaphthalene	<2	ug/L	352	882	01/17/1995	jcg
2-Chlorophenol	<2	ug/L	352	882	01/17/1995	jcg
4-Chlorophenyl-phenylether	<2	ug/L	352	882	01/17/1995	jcg
Chrysene	<2	ug/L	352	882	01/17/1995	jcg
Di-n-Butylphthalate	<2	ug/L	352	882	01/17/1995	jcg
Di-n-Octyl Phthalate	<2	ug/L	352	882	01/17/1995	jcg
Dibenz(a,h)Anthracene	<2	ug/L	352	882	01/17/1995	jcg
Dibenzofuran	<2	ug/L	352	882	01/17/1995	jcg
1,2-Dichlorobenzene	<2	ug/L	352	882	01/17/1995	jcg
1.3-Dichlorobenzene	<2	ug/L	352	882	01/17/1995	jcg
1,4-Dichlorobenzene	<2	ug/L	352	882	01/17/1995	jcg
3,3'-Dichlorobenzidine	<2	ug/L	352	882	01/17/1995	jcg
2,4-Dichlorophenol	<2	ug/L	352	882	01/17/1995	jcg
Diethylphthalate	<2	ug/L	352	882	01/17/1995	jcg
Dimethyl Phthalate	<2	ug/L	352	882	01/17/1995	jcg
2,4-Dimethylphenol	<2	ug/L	352	882	01/17/1995	jcg
4,6-Dinitro-2-Methylphenol	<2	ug/L	352	882	01/17/1995	jcg
2,4-Dinitrophenol	<2	ug/L	352	882	01/17/1995	jcg
2,4-Dinitrotoluene	. <2	ug/L	352	882	01/17/1995	jcg
2,6-Dinitrotoluene	<b>«</b> * <2	ug/L	352	882	01/17/1995	jcg
bis(2-Ethylhexyl)Phthalate	<2 ·	ug/l.	352	882	01/17/1995	jcg
Fluoranthene	<2	ug/Ļ	352	882	01/17/1995	jcg
Fluorene	<2	ug/L	352	882	01/17/1995	jcg
Hexachlorobenzene	<2	ug/L	352	882	01/17/1995	jcg
Hexachlorobutadiene	<2	ug/L	352	882	01/17/1995	jcg

### NET Cambridge Division QUALITY CONTROL DATA

Report To: Aneptek

NET Job No: 95.00043

Project: No. Smithfield RI ANG Station

Report Date : 01/20/1995

Method	Blank	Analy	/sis	Data
--------	-------	-------	------	------

			Prep	Run	Run	Analyst
est Name	Result	Units	Batch	Batch	Date	Initials
Hexachloroethane	<2	ug/L	352	882	01/17/1995	jcg
Indeno(1,2,3-cd)Pyrene	<2	ug/L	352	882	01/17/1995	jcg
Isophorone	<2	ug/L	352	882	01/17/1995	jcg
2-Methylnaphthalene	<2	ug/L	352	882	01/17/1995	jcg
2-Methylphenol	<2	ug/L	352	882	01/17/1995	jcg
4-Methylphenol	<2	ug/L	352	882	01/17/1995	jcg
N-Nitroso-di-n-Propylamine	<2	ug/L	352	882	01/17/1995	jcg
N-Nitrosodimethylamine	<2	ug/L	352	882	01/17/1995	jcg
N-Nitrosodiphenylamine	<2	ug/L	352	882	01/17/1995	jcg
Naphthalene	<2	ug/L	352	882	01/17/1995	jcg
2-Nitroaniline	<2	ug/L	352	882	01/17/1995	jcg
3-Nitroaniline	<2	ug/L	352	882	01/17/1995	jcg
4-Nitroaniline	<2	ug/L	352	882	01/17/1995	jcg
Nitrobenzene	<2	ug/L	352	882	01/17/1995	jcg
2-Nitrophenol	<2	ug/L	352	882	01/17/1995	jcg
4-Nitrophenol	<2	ug/L	352	882	01/17/1995	jcg
Pentachlorophenol	<2	ug/L	352	882	01/17/1995	jcg
Phenanthrene	<2	ug/L	352	882	01/17/1995	jcg
Phenol	<2	ug/L	352	882	01/17/1995	jcg
Pyrene	<2	ug/L	352	882	01/17/1995	jcg
1.2.4-Trichlorobenzene	<2	ug/L	352	882	01/17/1995	jcg
2,4,5-Trichlorophenol	<2	ug/L	352	882	01/17/1995	jcg
2,4,6-Trichlorophenol	<2	ug/L	352	882	01/17/1995	jcg

### NET Cambridge Division QUALITY CONTROL DATA

Report To: ENSR Consulting and

NET Job No: 95.00013

Project: Digital Project

Report Date: 01/23/1995

Matrix Spike/Matrix Spike Duplicate Results

Сотроина	Spike Amount	Sample Result	Units	MS Result	MS % Recovery	MSD Result	MSD % Recovery	RPD
Volatiles, 602, Gasoline ID	AQ							
Benzene	5.0	<1.0	ug/L	4.3	86.0	4.2	84.0	2.4
Chlorobenzene	5.0	<1.0	ug/L	4.1	82.0	4.2	84.0	2.4
1.2-Dichlorobenzene	0.0	<1.0	ug/L					
1.4-Dichlorobenzene	0.0	<1.0	ug/L					
Ethylbenzene	0.0	<1.0	ug/L					
Toluene	5.0	<1.0	ug/L	4.1	82.0	4.0	80.0	2.5
m-Xylene	0.0	<1.0	ug/L					
o-Xylene	0.0	<1.0	ug/L					
p-Xylene	0.0	<1.0	ug/L					

### NET Cambridge Division

### QUALITY CONTROL DATA

Report To: Aneptek

NET Job No: 95.00043

Project: No. Smithfield RI ANG Station

Report Date: 01/20/1995

### Matrix Spike/Matrix Spike Duplicate Results

Compound	Spike Amount	Sample Result	Units	MS Result	MS % Recovery	MSD Result	MSD % Recovery	RPD
TCL Acid/Base/Neutrals 8270 AQ								
Acenaphthene	40	<2	ug/L	35.0	87.5	34.4	86.0	1.7
4-Chloro-3-Methylphenol	40	<2	ug/L	38.0	95.0	38.5	96.3	1.4
2-Chlorophenol	40	<2	ug/L	30.2	75.5	29.0	72.5	4.1
1.4-Dichlorobenzene	40	<2	ug/L	26.6	66.5	24.5	61.3	8.1
2,4-Dinitrotoluene	40	<2	ug/L	38.0	95.0	37.2	93.0	2.1
N-Nitroso-di-n-Propylamine	40	<2	ug/L	35.2	88.0	33.8	84.5	4.1
4-Nitrophenol	40	<2	ug/L	43.7	109.3	40.8	102.0	6.9
Pentachlorophenol	40	<2	ug/L	28.9	72.3	29.3.	73.3	1.4
Phenol	40	31	ug/L	44.9	34.8	42.7	29.3	17.2
Pyrene	40	<2	ug/L	35.0	87.5	30.5	76.3	13.7
1,2,4-Trichlorobenzene	40	<2	ug/L	29.5	73.8	28.8	36.0	68.9

NOTE: Data reported for spiked samples were analyzed in the same batch, but may not necessarily be that of your sample.

NET ATLANTIC, INC CAMBRIDGE DIVISION

QA GROUP NAME:

PRIMARY TEST CODE: 43750

PRIMARY TEST NAME: TPH (Purgable) 8015 - GRO AQ

RUN BATCH NUMBER: 2

REFERENCE:

JOB NUMBER	SAMPLE NUMBER	TEST CODE	TEST NAME		RESULT	UNITS	FLAGS	ANALYZED	PREP BATCH
========	=======	======	=======================================	===	=========	========	=====	=======	=======
94.04158	114198	43750	TPH (Purgable) 8015 - GRO	AQ	COMPLETE			12/22/94	
94-04158	114198	43752	Trifluorotoluene		82	% recov.		12/22/94	
94.04158	114198	43760	Gasoline Range Organics		<50	ug/L		12/22/94	
94.04158	114199	43750	TPH (Purgable) 8015 - GRO	AQ	COMPLETE			12/22/94	
94.04158	114199	43752	Trifluorotoluene		86	% recov.		12/22/94	
94.04158	114199	43760	Gasoline Range Organics		<50	ug/L		12/22/94	
94.04158	114200	43750	TPH (Purgable) 8015 - GRO	ΑQ	COMPLETE			12/22/94	
94.04158	114200	43752	Trifluorotoluene		86	% recov.		12/22/94	
94.04158	114200	43760	Gasoline Range Organics		<50	ug/L		12/22/94	
94.04158	114201	43750	TPH (Purgable) 8015 - GRO	AQ	COMPLETE			12/22/94	
94.04158	114201	43752	Trifluorotoluene		67	% recov.		12/22/94	
94.04158	114201	43760	Gasoline Range Organics		<50	ug/L		12/22/94	
95.00043	115224	43750	TPH (Purgable) 8015 - GRO	ΑQ	COMPLETE			01/16/95	
95.00043	115224	43752	Trifluorotoluene		114	% recov.		01/16/95	
95.00043	115224	43760	Gasoline Range Organics		<50	ug/L		01/16/95	

Spike Recovery and RPD Summary Report - WATER

Method

: G:\METHODS\GRO1024D.M

Title : Gasoline Range Organics

Last Update : Thu Dec 22 13:16:44 1994

Response via : Initial Calibration

Non-Spiked Sample: G004.D

Spike

Spike

Sample

Duplicate Sample

File ID: G002.D

Sample : LCS GAS 500NG/ML Acq Time: 21 Dec 94 03:09 PM

G003.D LCS GASdup 500NG/ML 21 Dec 94 05:13 PM

Compound Sample Spike Spike Dup Spike Dup RPD QC Limits
Conc Added Res Res %Rec %Rec RPD % Rec

| 8.7 | 500 | 438 | 395 | 86 | 77 | 11 | 25 | 44-110|

\_\_\_\_\_

GRO1024D.M

Thu Dec 22 14:21:48 1994

RPT1

### **Gasoline Range Organics Report**

Data G:\DATA\941221\G002.D

Operator

**FMORRISON** 

Date 21 Dec 94 03:09 PM

Sample Name:

LCS GAS 500NG/ML

**Date Acquired** 

12/21/94

OL Factor:

1

OL Factor Volume Purged (ml)

Sample Vol. (ml)

R.T.	Exp R.T.	Compound	Amount	
			(ng/ml)	Area
17.08	17.08	GR0	438.45	48544873
10.37	10.31	2 METHYL PENTANE	22.81	1267631
15.30	15.25	HEPTANE	18.42	5542325
15.78	15.73	2,2,4-TRIMETHYLPENTANE	25.54	856833
15.98	15.93	BENZENE	9.63	1245640
17.18	17.14	aaa-TRIFLUOROTOLUENE	48.04	3596399
19.27	19.23	TOLUENE	45.86	5705920
21.59	21.54	ETHYLBENZENE	8.96	1072581
21.70	21.65	M-XYLENE	31.99	3980345
22.34	22.30	O-XYLENE	13.60	1663950
24.16	24.12	1,2,4-TRIMETHYLBENZENE	21.10	2285100

Total Gasoline Range Organics	438.45	ng/ml
Total basonine nange organise	100.10	4.314

Reporting Limit:

50 ug/L

Surrogate Summary:

Amount

48.04 ng/ml

Recovery:

96.08 %

Analyzed By : Fin Reviewed By: G.C., UZO194

### **Gasoline Range Organics Report**

Data G:\DATA\941221\G003.D

Operator

FMORRISON

Date 21 Dec 94 05:13 PM

Sample Name:

LCS GASdup 500NG/ML

**Date Acquired** 

12/21/94

QL Factor:

1

QL Factor Volume Purged (ml)

Sample Vol. (ml)

R.T.	Exp R.T.	Compound	Amount	
			(ng/ml)	Area
17.08	17.08	GRO	395.41	43779035
10.38	10.31	2 METHYL PENTANE	23.70	1317062
15.30	15.25	HEPTANE	18.02	5422150
15.78	15.73	2,2,4-TRIMETHYLPENTANE	25.14	843232
15.98	15.93	BENZENE	9.61	1242699
17.19	17.14	aaa-TRIFLUOROTOLUENE	50.50	3781065
19.27	19.23	TOLUENE	46.12	5738827
21.59	21.54	ETHYLBENZENE	8.91	1067655
21.70	21.65	M-XYLENE	31.92	3970529
22.34	22.30	O-XYLENE	13.39	1638420
24.15	24.12	1,2,4-TRIMETHYLBENZENE	20.05	2171816

Total Gasoline Range Organics	205 #4ll	- 11
II I ntal Gaenling Kanna Hrnanice	395.41 ng/ml	- 91
lingai nasame name ordames	ooo.ti ngjiiii	- 11

Reporting Limit:

50 ug/L

Surrogate Summary:

Amount:

50.50 ng/ml

Recovery:

101.01 %

Analyzed By: 77 79/22 Reviewed By: 47/27/94

NATIONAL ENVIRONMENTAL TESTING, INC.	

	M	1500	· (C			
	MATICK MA	EAX 65% - 1560	115.0 AN	PROJECT INSINETION OF 10 12	0 %	200
	INDEES 209 W C.ENTAL	100 P	11.125.11	10 110 22	, 10	11/Kts F- 11/11/
TE.K	13	1507	ATION		]	
AN EK	209	- 30 V	OC PANA		JOMBER -	MANAGER
CMPANY	. המשמחת	ANN - GLA - ROS COLON			HOJECT	DECIFICA MANAGER

	REPORT TO:		INVOICE TO:	P.O. NO.		NET QUOTE NO.
CHAIN OF CUSTODY RECORD	OMPANY ANEMER	C. EN	HONE 1808 - 602 - 1560	TION ALL	ROJECT NUMBER 98/10,32	BOJECT MANAGER MIKE PLUMB

		STABAMOO	RESAMPLE C		11						TEMPERATURE UPON RECEIPT: Bottles supplied by NET? YES / NO	DATE 1/10/60	DATE/TIME RECEIVED FOR NET BY:	
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### APPENDIX I

LABORATORY CHAIN-OF-CUSTODY FORMS



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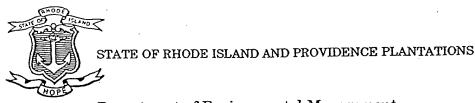
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### APPENDIX J

ENDANGERED AND THREATENED SPECIES



Department of Environmental Management DIVISION OF PLANNING AND DEVELOPMENT

83 Park Street

Providence, R.I. 02903 - 1037 (401) 277-2776

Fax Number: 277-2059

17 January 1995

Jeff Donovan Aneptek Corp. 209 W. Central St. Natick, MA 01760

RE: Black Plain Hill North Smithfield, RI

Dear Mr. Donovan,

Thank you for contacting the Rhode Island Natural Heritage Program for information regarding rare species and ecologically significant natural communities within a four mile radius and along a fifteen mile downstream pathway from the above-referenced site.

At this time, we are aware of several areas of rare species habitat within this radius. The distances of these habitats from the subject site, and the number of rare species in each status category for each habitat, are listed below. Please see the attached page for explanations of our state rarity ranks.

Screech Hole - 2.8 miles from subject site -1 state endangered species 1 species of concern

Slatersville Reservoir - 1.4 miles from subject site -1 species of state interest

Blunders - 0.6 miles from subject site -1 state threatened species 5 species of state interest 1 species of concern

Woonsocket Hill - 1.2 miles from subject site -1 state endangered species

Jeff Donovan 17 January 1995 Page Two

At this time, we are not aware of any letic or lotic rare species occurrences along a downstream pathway from these sites.

Please feel free to call me if you have any questions.

Sincerely,

frame Ruchand

Joanne Michaud Data Manager/Environmental Planner Natural Heritage Program The status of each species is designated by letter codes as defined below:

- (FE) Federally Endangered
- (FT) Federally Threatened
- (SE) State Endangered

Native taxa in imminent danger of extirpation from Rhode Island. These taxa meet one or more of the following criteria:

- 1. A taxon currently under review for listing by the U.S. Fish & Wildlife Service as Federally endangered or threatened. Those identified as C2 (Category 2) are taxa for which information indicates that proposing to list under the Federal Endangered Species Act is possibly appropriate, but for which sufficient data on biological vulnerability and threat are not currently available to support proposed rules.
- 2. A taxon with 1 or 2 known or estimated total populations in the state.
- 3. A taxon apparently globally rare or threatened, estimated to occur at approximately 100 or fewer sites range-wide.
- (ST) State Threatened

Native taxa which are likely to become State Endangered in the future if current trends in habitat loss or other detrimental factors remain unchanged. These taxa meet one or more of the following criteria:

- 1. A taxon with 3 5 known or estimated populations.
- 2. A taxon with more than 5 known or estimated populations in the state, but especially vulnerable to habitat loss.
- (SI) State Interest

Native taxa not considered to be State Endangered or Threatened at the present time, occurring at 6 - 10 sites in the state.

(C) Concern

Native taxa which do not qualify under other categories but are additionally listed due to various factors of rarity and/or vulnerability.

(SH) State Historical

Native taxa which have been documented for the state during the last 150 years but for which no extant populations are known. The year of documented occurrence is included.